POTATO CROP, 1896 (IRELAND AND GREAT BRITAIN).

RETURN to an Order of the Honorouble The House of Commons, dated 6 March 1891 ;—for,

"EXTRACTIS from REPORTER upon the POTATO CROP, 1890, made for the latest LIND COLITATION, the certain Unions of the Counties of CLARE, CORE, DONEAL, GAUNAY, KERLY, LERTHE, MUTRICK, MAYO, SHOO, WAXINFORD, and WEXTORD, by Mesers. Convieybam, Dillon, Duren, Eyr, Hotelsky, Potert, and Edward, Assistant Commissioners, with a REPORT upon the POTATO CROP of GREET BETATES in 1890; and also upon the Supply and Distribution of Strae, with Suggestions."

(Mr. Arthur Balfour)

Ordered, by The House of Commons, to be Printed, 6 March 1891.

PRINTED FOR HER MANISTY'S STATIONERY OFFICE, BY THE HANNARD PUBLISHING UNION, LIMITED.
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EXTRACTS from Reports upon the Potato Crop, 1800, made for the Imbi Laud Constassions, in certain Unions of the Counties of Caran. Conx, Donnaus, Calway, Kasary, Latran, Latraner, Martes, Maro, Stron, Warnaron, and Waxfoun, by Meeter Chandphan, Dillan, Diran, Egre, Headede, Petra, and Roberts, Assistant Commissioners, with a Renova upon the Potato Care of Guara Bartan in 1800; and also upon the Supply and Dirthelium of Sann, with Suggestions.

GENERAL REMARKS BY MR. PORTER.

Irish Land Commission, Agricultural Department, Dublin,

In fornishing my Report upon the potety crop in Donegal, together with Mr. Eyre's Report upon it in Galway and Mayo, I beg leave to submit for your consideration the following general remarks, which would apply to any portion of Ireland.

Potato seed imported from America direct to Ireland seldom does well. It cannot be relied on. (See p. 83, L.G.B. Report, 1881.)

The greatest care what he class to ensure used being taken from had which will profuse a good change to the walls of Donggal. Mr. James Robertson, jun., whom I consulted on any poor suits of Donggal. Mr. James as to the lungerates of this point. He does not think that any entire the manner of the point. He does not the latter any entire the contract of the point. He does not find the state of the profuse as a main corp postato. He does not fee quite sure what variety should be introduced as a sarry optato to give food before the Champions come in.

The great balk of the need postato comply for Irdual loss of late years been

from the Counties of Fife and Forfar. Consequently, new seed imported since 1880, the date of the first importation of seed on a large scale, has not been so great a change as if it had come from another locality.

This makes it desirable that if seed is purchased and distributed in certain districts in the spring of 1891, to require that, as far as possible—

i. The new seed shall be bought in fresh districts; and

 That, in purchasing seed in Scotland, special regard shall be had to the district for which it is required in Ireland.

I cannot by to much stress on he importance of the later print. During my inspection to honogan horizing created to be of greater imperance to the contract imperance to the more intelligent of the small farmers there than the great stocastly of cluster from heavy edge or, perfectly, light smalef way soil, to part or light monory land. This has in the past been outside of the control of the Boards of Goardshan, as seed its smally employ by one large contract, visio does not perhaps those what class of had it has been grown on, and who probably does and the contract of the state of the contract of the

I would suggest that if alwances are used by the Government in the future for purchase of second user operators, it should be conditioned that the seed purchased 4 under counter protecting, it should be conditioned that the seed purchased 4 under counter from a future of approved of by a Government Inspector, who should he are appeared to the production of the whole of the patter trade, and who should make himself acquainment with the precularities of soil and climate of the district for which the seed is required. It would to same add climate of the district for which the seed is required. It would be sume advantage them as to the districts in which purchases alound be made, used the present part of the production of the production of the production of the present part of the production of the production of the production of the present part of the production of

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examination and inspection.

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A great

A great deal of harm has been done in many districts in Ireland by the Board of Gauxilians spending the money they horrowed in 1880 for the purchase of seed in haying local seed grown in the district and re-selling to the farmers. This seed, as good as could he got (often very bad), was of little use, with the natural result of loud complaints from the recipients of seed.

An example carse under my notice in Gienties Union, in which a large, sunabout 3,900.0—was spent in reed hoogst through a London agent. The seel (posted), I was informat, looked very good on arrival, grow beautifully, reproduced shareholder of the contraction of the contraction of the produced shareholder profiling. The section was supposed to be "insperial Respenta-Dia's in example of Gaurdian, from wart of trade experience, which only an operator age-chaid con command, unkning a hale contract which turned out

ruinous to the ratepayers.

I think that a Government inspector or expert should inquire into the causes which influence the Donegal small farmers in adhering so much to old varieties, such as "Lumpers," "Rocks," "Gawkies," &c., as against newly imported

"Champions." This would apply to other districts.

The oat crop this year is so good that I do not think any loans need he granted for seed oats.

granted for seed oats.

"Clampion" variety of potato is now grown almost universally over
Ireland, It is an enormous cropper, and gives a large supply of small potatoes
not good for sale or for eating, but of great use for feeding fowl and pigs. It

i. It is a very late pointo, and consequently, when attacked by blight, has probably produced but a small growth at that period.

 It will not keep well after March, after which it becomes a very bad eating potato.

Notwithstanding these defects the Champion is still the popular potato.

Magnum Bonums are not appopular for three reasons:—

i. They do not crop as heavy as the Champions.

possesses two disadvantages :--

results.

ii. They are not good to cut until apring.

 They are usually in Ireland waxy and watery as compared with Champions.

It seems very desirable to produce a potato which could take the place of the Champion, now undoubtedly deteriorating. Why should not the model farm at Glasneyin experiment in this line?

There are many districts in which, doubtless, no special demand would be made for seed if none were supplied. But there would be a great liability of the farmers planting immature and body grown seed which would produce had

The total amount borrowed by Unions under the Seol Supply Act, 1880, was 488,950 ft. 10, 26 d.; it would probably be correct to assume that fully confitted in the was specified to this was specified as few fine accepted 100, per ton giving say 47,864 to 4. σ 2, specified to except 100, per ton giving say 47,864 to say 61, specified 100, per 100, giving say 47,864 to say 61, see 100, per 100, giving say 47,864 to say 61, specified 100, per 100, giving say 47,864 to say 61, specified 100, per 100, giving say 100, specified 100, per 100, giving say 100, specified 100, per 100, per

(signed) Thomas S. Porter.

REPORT ON THE POTATO CROP IN THE COUNTY DONEGAL,
BY MR. PORTER.

I isb Land Commission, Agricultural Department, 18 September 1890. I HAYE visited the Unions of Ballyshannon, Doncgal, Glenties, Dunfanagby,

and Milford, in the County Donegal, and I estimate that the amount of new seed

seed which should be introduced, if possible, next spring, is, as nearly as can at present be ascertained, as stated in the Memorandum attached hereto at page 7.

Generally speaking, the potato crop is good in all good land, such as will be found near Ballysbannon, Donegal Town, Dunfanaghy, portions of the coast line from Donegal to Killybegs, and all the good land on the eastern side of the

County from Millord on the north to Stranorler on the south.

in the good clay and limestone lands, and indeed in any fairly good tillage land, the blight, though almost universal, will not, I think, produce serious results. This opinion is well supported by the current market quotations in Stranorlar, Derry, &c.: putatoes ranging from 2 s 8 d. to 3 s. per cwt. It is alsord to suppose that anything approaching serious want of potatoes is antici-

pated, when potatoes are freely quoted at these prices.

On the other hand, in all the poor barren mountain and moory lands, and on the tour man, and lying along the west cost, the crop is very short, in fact, seriously so. I do not think I exaggerate at all the yield, when I say that I very much doubt if, over all that class of land, comprising the greater portion of Donegal, the yield will prove one-third of the usual crop, and that the feeding value will not be one fourth of an average crop. By an average crop, I mean an average of the last eight years, and by leading value, I mean the notriment to be derived from the potato. In all the poorer lands referred to, the tubers are very small and unmatured. And I connot think that unmatured tubers possess the same feeding value as fully grown

I commenced my in-spection at Ballyshannon, and tuen travelled vid Doneral. Dunktacely, Killybegs, Carrick, Ardara, Glenties, Dunglow, Gweedore, Falcarragh, Dunfaraghy, Creeslough, Kilmacreenan, Milford, and Rathmullan. I therefore passed through a great deal of bad land, and through some of the best land in West Danegal. I frequently stopped to examine the crop in the fields, and made inquiries from those whom I think I can depend on to give reliable information, and I believe I do not at all anderstate the case in saving that the crop will not average one-fourth of an ordinary crop in the poorest and worst lands, and possibly at the most one-third of a crop in West Donegal generally.

What struck me most was that the tubers were not diseased, but that they were very small, usually about the size of plums, soldom bigger than

small apples

In the poor mountain land, near Gleaties, and in "the Rosses," the crop was very bad, probably barely one-fourth of an average. I cannot think that such small, badly-grown potatoes can be good for food

It seems that in the mountain lands the people plant their potatoes very iste, at the end of March and the beginning of April, and consequently the potato in such a moist cloudy climate has made but little growth at the time the blight sets in, about the end of July and early in August. The result is that when the blight is very bad, as in this so ason, the stalks are completely

withered away before the tubers have grown to any size, and the notato plots present the appearance of masses of weeds.

As far as I could judge, most of the smaller occupiers have about our acre of potatoes in little divided patches. They are in the habit of growing potatoes and corn alternately, year after year, on the same land, the only variation being small patches of turnips and cubbages amongst the potatoes. This system very soon wears out the poor peaty land, and the people complain that, after the land has been cropped thus for a few years, the Champion variety does not produce good results. Indeed, the feeling on this subject is so strong in Glenties Union, which is, perhaps, the poorest in Donegal, embracing a huge area of poor land with very little good land, that there is a strong bias in favour of growing a local variety called "Gawkies," and another variety called "Lumpers" in preference to Champions.

The people say that on this shallow penty soil the Champions, when the land is newly reclaimed, are first rate, but that after a few years they won't do at all. And in this year, particularly on such lands, they say that "Gawkies"

have come out much safer.

The "Gawkies" (I spell the name as pronounced) are grown mainly in the

small peninsula of Loughres, on the west cost near Ardara. The land is here. I am informed, rather sandy, and potatoes from this locality make a good change to the peaty mountain lands.

In Glenties Union, generally, the people on the poor lands spoke disparagingly of the Champions. I frequently put the question, "Suppose that next spring you could buy Champions and "Gawkies" at the same price and equally good, which would you buy?" The answer was "Gawkies." I wish it to be clearly understood that this feeling against the Champion existed only as regards "Worn," i e., frequently cropped poor light peaty land. I never heard a second opinion as to Champions being best for good clavey land.

In Dunfanaghy Union intelligent men, whom I spake to on the subject, also considered the Champion unsuited to poor nountain land. They, however, preferred "White Rocks" to "Gawkies."

In Milford Union it was believed that "White Rocks" were the hest variety for worn lands.

I confess I was rather surprised at this information, but I took great care to make many inquiries on this point from intelligent respectable men.

What reason or justification there may be for this doubt as to the Champion for worn lands in Donegal, it is an alarming and serious state of affairs, as no other potato is at present forthcoming to replace it. The farmer on poor land in Donegal will not, I think, touch Magnum

Bonums, Regents, or suc's varieties.

I was informed that at Glenties, where the disease is very bad, there is one small field of the "Schoolmaster" variety producing an excellent crop, with hadly-diseased potatoes all round. In Glenties Union, in 1880, the Guardians imported 3,000 l. worth of Regents.

These turned out an absolute failure. The seed looked first-rate, but produced nothing. They were delivered at Kiliyhegs at 8 l. per ton.

The Dunfanaghy Union bought all its seed locally in 1880, buying in one district and transferring the seed to another.

It is quite erroneous to suppose that in Donegal the people do not change their seed. I believe that, relying so largely as they do on the potato, they change the seed very frequently; not getting altogether imported seed, but

getting seed from a different district. The oat crop in Donegal is very good. I would say that it is fully up to the average, if not above. At the time of my visit last week the people were cutting the oats all over Donegal, and I do not think that I heard one single

complaint as to the crop.

I would not anticipate any distress from want of food. Indian meal is largely used, is at present moderate in price, is delivered at all the little harbours round the cost at a freight of about 10 s. a ton; and, consequently, all over the poor districts round the west coast, Indian meal is not dearer than at inland towns having a rallway freight of some 60 miles to pay. Another consideration is that the women and girls earn each from 1 s. to 2 s.

per week, knitting wootlen goods, and some earn higher wages at superior

classes of work.

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I think there will be a great want of good patato seed next spring, and no doubt there will be a great scarcity of money, as the people will buy so largely Indian meal and flour to make up for the short crop of potatoes. Roughly speaking, a line drawn from Donegal town to Milford would cut off

all the district seriously affected by the potato blight in the county Donegal, which would lie to the west of that line.

Prohably the worst district of all is from Stranoriar to Glenties -- what is called the "Glen of Glenties," and the district of "The Rosses," north-west of Dunglow.

I spent a good deal of time examining the farms west of Ardara. On one small farm, handled rather better than most, I had some potatoes dug; they were bad, scahby, small, and diseased, hardly one-sixth of a fair crop-It is to be recollected that a large number of the Donegal farmers hold small stocks of sheep on the mountains, and that they are not merely dragging out

a hand-to-mouth existence on their little plots of arable land. The hay crop also is good, and fairly well saved. I think the real difficulty to be met with is the spring supply of suitable seed potatoes.

(signed) Thomas S. Porter.

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MERIORANDUM (See Report, page 4, paragraph 1).

USION		Sem Borrowed in 1860.	Estimated Number of Tens Presito fixed Bought in 1880	Estemated Number of Heldings supplies with best In 3890	Estimated Number of Holdings togening Sec 1 as 1801.	Retreated Number of Tone Fotate Send required in 1801.
		£.	Tone,			Tour
Ballysbannen		7,108	500	9,000	1,200	1:0
Donegal -		3,226	170	1,600	1,090	150
Glenties -		3,000	410	2,500	7,500	375
Durftneghy		2,545	810	1,306	1,290	180
Milford -	-	7,867	400	2,000	1,500	925
Letterkenny		2,099	Not writed;		1,000	150
Stragoriar -		1,089	quired proti	y fairly	1,200	180
TOTAL		27,901			8,600	1,440

Value of seed in spring, 1891, estimated at 5 L per ton :—

 $\pounds.7,\!200$ expenditure for 1891, as agalust 27,991 L expenditure in 1880.

REPORT ON THE POTATO CROP IN THE COUNTIES OF GALWAY AND MAYO BY MR. EYRE. MR. PORTER'S INTRODUCTORY OBSERVATIONS.

Irish Land Commission, Agricultural Department, Dublin, 18 September 1890,

HEREWITH I beg leave to enclose reports banded to me by Mr. Gregory Eyre upon the Unions of Galway, Cliffien, and Oughterard, in the county Galway, and the Union of Westport, in the county Maco.

From these reports I have drawn up the following estimate of the seed likely to be required in spring, 1891:—

Ux	103			Serrowed under Seed Act, October 1099	Estimate of Potatoes Resight in 1880.	Entituscol Number of Holdings Supplied with Seed in 1863.	Betirested Number of Hothers Requests Seed In 1821.	Estimate of Poteto Send So 1691.
				£.	Tour.			Tous,
Galway			-	5,650	500	4,000	2,000	300
Clifden				3,987	850	4,010	8,000	450
Westport				6,828	530	5,500	3,000	450
Oughterard	-	٠		4,888	400	4,/100	2,500	375
Tor	ML	-		20,208	1,800	17,500	10,500	1,075

It must be borne in mind that my estimate of seed bought in 1880 is exclusive of reed supplied by the "Tuke," "Marlborough," "Land League," and other funds.

In order to make Mr. Eyre's report clear to you, I have attached thereto a list of the queries I gave him when he started, as a basis to work on. His reports are in reply to those queries

You will be seen that Mr. Eyro's estimate is that the crop is about one third.

You will observe that Mr. Evre's estimate is that the crop is about one-third of an average all over.

The Champion is the favourite variety throughout the whole district. It is very difficult in the Western Unions to arrive at correct figures from investigations, as everytody is disposed to magnify the result of the hight,

and to endeavour to give as bad a description as possible of the state of the crop.

It may be taken, as a general rule, that one ton of seed (Champion) is sufficient for one lists acre, and that an lists acre of postores is enough for any ord-nary family to live upon, and to afford a sufficient supply of spare potates for the fame, pige, ford, &c. This would refer only to those districts in

which potatoes form a very large portion of the diet.

Judging from Mr. Spre's report it would seem that the land all over the poorer district of Gelway is hoggy, or shallow, cod, and wet; and great care should be taken in getting seed from a district which will make a suitable change. I would imagine that for this distinct the reed should come from

light sandy soil. (signed) Thomas S. Porter.

REPORT BY MR. THOMAS S. PORTER UPON PART OF THE COUNTY CORK.

CORK UNION.

The crops generally are very good; blight has appeared nearly everywhere, but it seems that there will notwithstanding be a fair crop of good potatoes, and I do not think the great bulk of the farmers in this union require special assistance in cetting seed.

MACROOM UNION.

The Champion is the almost universally grown variety; a small quantity of

Flounders and Pinks are grown as early varieties.
The potate orange seems good in level-right gloads, such as the Lee Valley, where
there is a good deep soil, but in the high and poor mountain knots the crop is
not more than one thatful of an average. The great bulk of this Union would
reem to consist of high mountain knot. Where I examined the poststo copy is
and hands the yield was short and the protoces small, about the right design their
seed juvetty frequently, getting used from different hand and localities to their

In 1880 this Union bought really good Scotch seed from Cork firms; the seed was sold at 2 s. 6 d. per weight of 21 lbs., or 1 s. 8 d-per stone, which would equal 18 d. 6 s. 8 d. per ton.

equal 13 i. 6 s. 8 s. per con.

Probably about 1,200 holdings got seed. All the loan of 3,877 l. 10 s. was
spent in potatoes.

The average amount of seed distributed in 1880 would be about 6 cwt. per holding. Flounders would probatly be the best potatoes for early variety in this

Flounders would probally be the best potatoes for early variety in this district.

My report on this Union not being completed, Mr. Doran will also report upon it.

BANDON UNION.

Most of this Union seems very good land, and the farmers seem prosperous on fairly large farms. Some reliable men to whom I spoke do not think the disease generally is as bail as reported in this Union. The disease is very bad near the coast, and

for some eight or nine miles island from the coast line, but it is not at all

so had further inland. I spoke to several farmers from near the coast, who speak of the crop as being so bad as to be a arcely worth digging. They propose ploughing the

land, picking what potatoes may turn up, and sowing at once with rape or some such crop.

Pinks are grown as an early variety. A large portion of the land in this Union, near the sea-coast, where the disease is worst, is very good potato and barley land. Very early potatoes can be grown, but blight set in so early this year that the crop is practically destroyed

The potato erop is pretty fair, perhaps two-thirds of an ordinary crop, north

of the Bandon River, but between the river and the sea it is a very poor I went through the potato market at Bandon, on 27th September. Potatoes

of good size and quality were selling at 8d. per stone: these nearly all came from the district north of the river.

The farmers here, in the district most affected, are of a class who, I think,

would not generally come under a Seed Supply Act, and this would appear to have been the case in 1880, as only 685 L was borrowed. I do not think this Union need be considered as one in which relief to any

serious extent, as regards seed potatoes, will be required. The oat crop is said to vield about three-quarters of an average, but this I only heard from farmers who would take a low view of the yield. There appears to be a large labouring class in this Union.

CLONARILTY UNION.

From reliable information, and my own observations whilst driving from Bandon to Clonskilty, it appears that along the coast frings, extending to some eight miles inland, the potato crop in almost all cases is a total failure. I examined a number of fields, and I would say the yield was barely one-fourth of a cross, and what I saw were very small, unmatured potatoes, the potato ridges being one mass of weeds. I did not see one decent crop of potatoes along the whole drive from Bandon to Clonakilty, after leaving the good land close to Bandon. The yield is reported to be very much better further north, where I did not go; it is said to be fully one-third to one-half of an average crop in the inland district, that is, after getting further inland than the coast fringe of about eight miles depth.

Potatoes of the best quality are now (27th September) being sold in Clonakilty town at 1 s. per stone; this is for the very best. Potatoes are planted early in the district; nearly all are planted before St

Patrick's Day. In 1880 the Guardians distributed seed largely to small farmers and labourers. About one-half of those who got seed were labourers; the farmers, on whose land these labourers planted their seed gave security for the seed. The seed

advances were paid up very well, only some 200 L being now due.

Parts of this discrict in average seasons are exceptionally good for growing potatoes, especially near the coast in the district now suffering most. Potatoes can be planted very early, and, with care, dug in June. Some farmers inform me that Champions acquire an early habit after having been grown here for a few years. All this would seem to show that by carly cultivation the potatoes could be grown and well matured before blight is at all likely to appear. The serious touch of blight all along this coast, from about Kinsale to Skibbereen, and thence round the south-west coast to Cork and Kerry, appears to have occurred about 19th June. About that date a heavy fog or mist hung about the coast fringe for some ten days, the weather was thundery, and the blight very soon showed itself, most fields of potatoes being at that time very far from anything approaching maturity. В 134

It is plain that if potatoes can be planted very early here (and I understand that near the coast, where it is mild, some patches are planted at Christmas, and many plots from 1st February on), the pototoes might, with good cultivation. he well motured in June, and hence largely escape disease.

In 1880 the Guardians bought good Scotch seed potatoes; they also distri-buted oats and harley; prohably about one-fifth of the money borrowed was spent in grain. The sum borrowed was 2.154 L; of this shout 200 L is still unpaid; but observe, as stated already, nearly half the recipients of sced potatoes were lab urers without land, except their garden patches. Potato seed appears to have been distributed in somewhat the following quantities: farmers would average about 4 cwt each, labourers about 2 cwt, each. The seed was hought at 11 & per ton.

There are a good many dairy farmers in this Union, and a large amount of good grazing land. Many farmers let their cows to dairymen at 9 l. to 10 % 10 s, for the season (present prices), the latter price for hest cows in hest land.

Seed potatoes will be badly required next spring.

Pinks as an early potato have greatly died out. Farmers change their seed pretty regularly about every two or three years, getting seed from other land . this has been a regular practice since 1880.

SKIBBEREEN UNION.

Potatoes seem very had all along the coast fringe. General opinion, corroborated by my observation, would place the yield along the sea fringe of about seven miles from the coast at about a quarter of an average yield, and ti ese are ery small, comatured tubers; in many cases the yield is practically nil, but I saw some very fair crops, and I think one-quarter represents the average yield.

In some cases I find very fair crops alongside wretched crops; this must be accounted for by difference of seed or cultivation. Good seed sown in fairly

fresh ground, and well and early cultivated has done best-

I examined a large number of potato plots near Skibbereen myself, walking through the fields and digging the potatoes. On some labourers' plots which I went over the results were very variable, probably averaging one third. I consider the crop along the sea-coast in places to be a total failure, and the average crop in the Union to be one-third. I do not think it could be more then one-third, perhaps less,

There is no doubt at all that there will be a great scarcity of seed potatoes

of four quality in spring of 1891. I do not think it would be at all wise for the

as an early variet v.

people to plant local seed this year. The labouring class here will be the worst off; it is very essential that they should be able to get fresh good seed on favourable terms; the labourers usually grow their potatoes on little consore patches; generally well-worn land;

bence their crops are very bad, and they will probably eat the whole crop. An early variety that will stoud disease well is much wanted. Beauty of Hehrons are well spoken of in some cases; Regents bear a bad name; Pinks have greatly died out. I fancy Beauty of Hebron variety would do well to try on a largish scale here

DUNMANWAY UNION.

I am informed that the crop generally over Dunmanway Union is between balf and two-thirds of a crop. I have doubts as to whether this is not an overestimate. I fancy half a crop is the outside figure. I merely saw the southern portion of the Union.

It is considered by reliable men-(a) that seed must be distributed in spring of 1891, as was done in 1880; (b) that labourers must get seed; (c) that the lahourers are just as good security as the farmers, as regards repayment of seed advances; (d) that at least 3 cwt, of seed should be supplied. It is thought that the people cut their sets too small, and consequently seriously damage the reed, and the sets do not produce a full crop.

I had

I had intended to visit the northern part of this Union, but I was unable to do so before returning to Dublin. Mr. Doran will visit this portion. In the south-west portion of the Union which I drove through, I would say the crop of potatoes is certainly not more than one-third of an average.

BANTRY UNION.

This Union spent 1,355 I. in potatoes in 1880, bought a large lot of Scotch Champions, also some Rocks; imported seed cost about 11 l. per ton. Seed was distributed 1 cwt., 2 cwt., and 4 cwt. to different classes of holdings :

the local Guardian gave an order for the amount of seed required. The worst district of Bautry Union is that of Sheep Head peninsula. The

crop in the rest of the Union is reported as about half an average crop. In the portion of Bantry Union which I drove over, going from Dunman way to Bantry, the crop is very had. I carried a space on the car, and dug the fields re-catedly. digging exactly where I liked myself, and I do not think the crop could be more than one fourth of an average crop; it was very had; the tubers were very small; near Bantry the crops looked better, and within about one-and-a-half miles of Bantry the potato fields improved marvellously. I there dug as good, sound, large potatoes as I would care to see in any year, and the cro, was most satisfactory in many instances. I cannot account for this, as the land in some cases was not nearly so good as in fields I had passed where there was almost nothing.

A great deal of money comes into the district from the tourist traffic, and the

railway extension to Bantry Bay will provide a good deal of work. There will, undoubtedly, be distress in Sheep Head peninsula. It is doubted whether the potato supply in Sheep Head peninsula will last much over Christmas.

SCHULL UNION.

I did not visit this Union, as the information I received at Skibbereen and Bantry satisfied me that the blight produced very bad results, and that at the very outside there is not more than one-third of a crop. Mr. Bird, land ascent. who has just been in Schull district, reports the prospect as very gloomy, and fears all the available supply will soon be enten up. Mr. Beecher also reports the prospect as very bad. Mr. Bird told me that be had grave doubts as to whether the supply of potatoes for food would last more than a month or six weeks in some of the worst parts,

CASTLETOWN BERE UNION.

The potato crop generally throughout this Union is very bad: I do not recollect seeing a good crop anywhere. It probably would not exceed onefourth of an average crop. The propest district appears to be that of Adrigole. About here there are a number of very small occupiers, who have very inferior houses and small patches of bad land, and, as far as I can judge, both by observation and from what I learnt in the neighbourhood, it is a very thickly populated district, taking into consideration the quality of the soil. The road from Glengariff to Castletown passes through the district of Adrigole. The poor district commences just west of Glengariff, and continues right along the coast to about Hungry Hill. I am informed that the people from here are accustomed to so to Wales for work. Their only other occupation seems to be dredging for sand, which is sold for manure, mainly about Bantry. They do not appear to take any part in fishing, and, both from what I learnt from residents in the district and from my conversations with the people as I drove along, I come to the conclusion that they were a particularly indolent people. without a trace of energy. It seems difficult otherwise to account for their making no use of the advantages which are open to them in fishing, as is done in the Kenmare River district. I had the opportunity of seeing the Rev. Mr. Corey, the incumbent of Glengariff; Mr. Hundcock, the manager of the bank at Castletown; the Rev. Mr. Larkin, the parish priest of Eyries. Several efforts have been made to induce the people about Castletown to take to fishing, but although some gentlemen purchased boots and every necessary appliance, their efforts resulted in failure. From Castletown to Byries and Ardgroom, the people appear to be in a better 134 position : position; a considerable amount of fishing where place all along the Kenner, Birry, from Durrey island to Ardgoon, and a large amount of fishing is done by imbore boats, yards which can be had for a molecular outlay of 10 L_{\odot} to 12 L_{\odot} the nets costing 32 L_{\odot} cache, extra. Thus we have been employed at the inslores fishing have done very well during the past season, and the rapid histories in the machine the modern desired contributions, which is making by the American concern in the machine distribution of the position of the

The varieties of pointons grown appear to be Flounders for oarly use, and Champions for the moin crop. I think the change of seed in spring will be ossential, as very little of the crop dug three will have come to maturity. I am informed that when the markers beant come in, wages range from 2 z. to 3 z, per head, every man, woman, and child who is available being employed in curing.

MR. EYRE'S REPORT.

Instructions to Mr. G. Eyre.

 Ascertain the total amount of potato seed purchased in each Union under the Seed Supply Act, 1880.

2. Ascertsin as regards seed so hought and distributed:-

- a. How many distinct boldings got seed.
 b. Average amount of seed supplied to each holding.
- Average amount of seed supplied to each
 Largest amount supplied to one holding.
- d. Smallest amount supplied to one holding.
- c. How was the seed purchased; that is, was it bought by the Guardians in the market, or on commission, or supplied by tender?
 f. Was the seed Scotch, or English, or Irish; and what precautions were taken to know where it come from
- What system was adopted with regard to local distribution of seed to insure seed heing supplied to proper persons;
- 4. Has much seed been introduced since 1880 by private charity, such as "Tuke " or "Marlborough" Funds ?
 - 5. Has much seed been imported from Scotland during the last few years?
- 6. Is Champion seed universally used, or are there any other kinds much used? What do you recommend as most suited for the locality, and likely to be accepted by the farmers?

 7. Ascertain from any persons whose information you would consider.
- thoroughly reliable, everything you can gather on the foregoing subjects?

 8. Ascertain as correctly as possible to what extent potato blight has affected—
 - (1.) The crop of cating potatoes,
 - (2.) The crop available for seed in spring 1891.

 Specify, if necessary, those districts in which you think there will be absolutely a want of food; also those in which there will not be a sufficient supply of sound potatoes for seed in 1891.

 $Note_c$ —Where replies are numbered and lettered they refer to the quantiens set forth in the last settless given to Mr, E_i replicad on they page,

GALWAY UNION (WESTERN DIVISION).

1. Amount of seed loan borrowed in 1880 for whole Union was $5,650\,L$ 1 could not ascertain how much of this was expended in potators, and how much in grain.

a. Neither could I get the number of holdings which got seed.
 b. According

- $\delta.$ According to poor law valuation, holdings at and under $4\,L$ got from one bag to two hogs of 16 stones; 4 l. to 10 l. valuation got from three bags to four bags; and from 10 l. to 15 l. from four to six bags. c. About 90 stones.
- d. Ahout 10 stones
- e. Principally supplied by tender through local merebants. Some seed was lought in the open market. f. Nearly all Scotch.
- g. Very good seed.
- 3. The Guardian of each Division took charge of the distribution : the Relieving Officers also took an active part in it; every small holding in the Union got
- 4. Yes, a good deal. Mr. Tuke and Sir Thomas Brady were the principal denors, e-pecially along the coast and the poor quarters.
- 6. The Champion is the only seed sown latterly, and all the people say it is the best for that country, an o, inion which I thoroughly agree to.
- 8. In that part of the Union which I inspected I found the crop very pour indeed. It is principally a mountain district; the soil is cold and wet on a retentive subsoil. The crop, as a rule, had not time to mature properly before the blight attacked it. There is hardly a trace of any of the stalks left now, except in cases where very late sowing took place; there are no good potatoes these are quite gone, not even fit for pigs. I am afraid there is no seed available for next year. Every other grop, such as oats and rye, are fair enough, but do not amount to much Turf, also, in this district is very bad. A good spell of fine weather, even now, would do a good deal to help the poorer classes to ride over the winter,

OUGHTERARD UNION.

- Amount of seed losn, 1880, 4,338 l. Bought 400 tons at 10 l. 10 s.
- a. Every holding in the Union under 15 l. poor law valuation got seed. b. Under 4 l. valuation got 1 hag or 16 stones. Between 4 l. and 10 l. got
 - 24 hage. And 10 l. to 15 l. valuation got from 4 to 6 bags. c About 90 to 100 stones.
 - d. From 4 stones un c. All the seed in this Union was got through M'Kenzie, of Dublin, from
 - Scotland.

f. All Scotch

- g. Seed could not be better 3. The Clerk of the Union conducted the distribution all over the Union : he employed men, good men, at one guinen a day, at different centres, to serve
- 4. A good deal of seed has been got into the Union since 1880 by the Tuke Fund; also by Sir T. Brady And in Carns, E.D., one of the poorest parts of Connemara, Mr. Balfour sent a boat-load of 40 tons in 1887, which seed has
- done a great amount of good, and I saw some very good samples along that part of the coast where this seed was sown, whereas in the vicinity where the people got none of it they have little or no crop.
- 6. The Champion is the only potato thought anything about back here. 8. (1.) Having travelled nearly all over this Union, I came to the conclusion that there is not quite balf a crop and more than a third average.
- Some places I got very fair samples and others no good tubers at all. I would recommend a complete change of seed for this Union. (2.) There won't be any seed available for 1891 unless the people get some ubstitute for the few potatoes they have to eat during the winter.

9. I cannot

9, I cannot say, just yet, that I saw any immediate signs of want of food. Until the crop is dug out it is very hard to judge. But I can plainly see that there will in all the backward districts of this Union be a considerable picob during the winter. I noticed that the few remaining tubers are taking the disease very quickly, especially the low, wet, moory lands; by the sea shore, where they have an ample supply of white manuring sand, and seaweed, the tubers are standing better.

CLIFDEN UNION.

Amount of potato seed loss, 1880, 4,000 l.

- 2. a About 4,000 distinct holdings got seed. 6 From 2 to 6 bass, according to valuation.
 - c. 6 bags of 16 stones each.
 - d. 2 lags of 16 stones each. e Principally got by tender from Scotland.
 - f. From Scotland.
 - g. The seed way, as a rule, very good, but some counterfeit seed got in also.
 - 3. The Guardians and Relieving Officers saw after the distribution. 4. A great amount of seed has been introduced into this Union since 1880;
- in fact, every agricultural holding got a full supply of seed twice in the last
- ten years. Mr. Tuke in 1887 sent 250 tons of seed to this part of the Union.
 - 5. A good deal, off and on,
 - 6. No other seed any good for this country except the Champion.
- 8. The whole of this Union is more or less attacked with the blight. I saw a great many samples, but did not come across any field that had not some black potatoes. I think the coast line is the worst, especially in the districts of Bunyon, Salerna, Boffin, Renvyle. I daresay one-third of a crop allfover the Union would be very near the mark. The Islands are the worst. and always are. There are close on 5,000 holdings in this Union; of that, only 110 are above 20 l. valuation. The people otherwise are fairly well off, as the
- oat crop is splendid, also rye. (2.) There will be a great scarcity of seed for next spring.

9. Except the Islands, I am of opinion that the people will get through the winter fairly well.

WESTPORT UNION.

- 1. Amount of seed loan, 6,000 /.
- 2. a. to d. No information.
- c. Principally by tender, also on commission.
 - f. Most of it Scotch, but being late in the year, some local seed was purchased. g. It was good seed.
 - 3. The Guardians and Relieving Officers were the principal distributors.
- 4. A great deal of seed has been given by private funds since, such as Tuke, Mariborough, and the "Manchester Guardian" Fund.
 - 5. A good deal came from Scotland up to 1886.
- 6 Nothing but Champion used. The people all agree it is the best for this climate.

REPORT BY MR. GREGORY EYRE

UPON THE POTATO CROP IN THE COUNTIES OF MAYO, CLARR, SLIGO. AND GALWAY.

GENERAL REPORT OF THE POTATO CROP IN THE COUNTY OF MAYO

THERE are eight Unions in this County, comprising Ballina, Ballinrobe, Belmullet, Castlebar, Claremorris, Killals, Swineford, and Westport

Of the above, Swineford is by far the worst; then would come Westport and Beimullet; then Ballins, Claremorris, and Killala could be classed together;

Castlebar and Ballinrobe are the best.

All the western and sea-hoard districts of Mayo have suffered very much from the wet year. The land is all mountainous, very good for potato culture in a dry year, but the reverse in a year like the present. Swineford Union is situated in the heart of the County, and is much the poorest union in Ireland. The population is very dense and the holdings small, there being about 4,646 holdings at and under 4 l. poor law valuation out of a total of nearly 7,500, as will be seen by my special report. The potato crop is a great failure in this district, every one of the holdings I believe will require help towards getting seed next spring. It is very hard to make anything like an accurate estimate of the crop available in this county at present, as it may turn out far worse than is even now anticipated; however, from personal observations and from numerous inquiries, I venture to give the following:

Ballina	-		-			33	per cer
Ballinrobe	-	-	-	-		55	22
Belmullet	-			-		25	"
Castlebar		-		-	-	40	22
Claremorris	-	-	-	-		35	37
Killala					-	33	
Swineford	-	-	-			20	.,
Westport					-	271	

I may be under the mark in some of the Unions and a little over in others; but, on the whole, I am of opinion that the above will turn out to be nearly the

proper estimate when the crop is dug out.

The County of Mayo was the largest applicant for seed in 1880. Nearly every holding got it up to 10 % poor law valuation, and a good many to 15 % It was a great boon to the poorer districts, as a change of seed is an unbeard of thing in the backward places unless some failure like the present takes place. thing is the noncountry places unless some failure ince the present takes place. The Champion was the only reed imported, except in a few instances. Meguum Bonum, which did not turn out well. Some Rocks and Skerries were also tried with a like result. A great quantity of new seed will be required for next spring, and I am sure the people will, in most instances, be only too glad to pay for it; but until the Mayo people are taught to depend less on the potato crop there will be periodical famines, as the soil they are in the liabit of tilling is sick from continual cropping of potatoes,

SWINEFORD.

Total amount of seed loan, 27,261 L There are nearly 7,500 holdings in this Union; of these about 4,646 are at or under 4l. Poor Law Valuation. The population of the whole Union is 54,000, and the valuation, 41,000 l. There are 10,640 acres of potatoes sown in the Union. 8,500 holdings got seed in 1880. Nearly all the loan was expended in

potatoes, as oats is not so much grown. It would be difficult to describe the poverty of this union, and how they will get over this winter, I cannot say; anyhow, from observations I made, and inquiries, I am of opinion that 8,000 holdings will require seed again next spring.

I saw the worst cases of blight yet in and about the town of Swineford.

which is not nearly the poorest part of the Union.

In this Union they would require from 30 to 40 stones of potatous to each holding.

There is over 6,000 l. of the seed loan due still.

BELMULLET UNION.

Total amount of seed loan in 1880, 5,114 l.

There are about 3,700 holdings in this Union; of these 3,428 holdings got seed, including town plots.

A crest deal of the seed got was purchased within the Union, on account of

the short time there was for planting and getting it; the potatoes did not do well at all afterwards.

The people in this Union have got from time to time, since, a great deal of

The people in this Union have got from time to time, since, a great deal of belp in the way of fresh seed from the Mariboro' and the Tuke Funds, and from the late Mr. Forster.

the late Mr. Forster.

There will not be any seed available for next spring. The county is very poor and the soil very wet and cold. At the present time there are parties who have no potatoes left, and it is believed there will not be many potatoes after

Christmes.

At least 3,000 holdings will require seed next spring.

KILLALA UNION.

About of seed loss, 1880, 2,602 l.

About 1,500 f. was expended on p-states 1,366 holdings got seed. Potatess were very good, mostly all of which oams from Scotland. The seed gave great satisfaction. The crop in this brinon is not nearly so bed as Helmilet, there are some very poor divisions by the costs where there is not more than one-quarter of an average core, the thinds perton is usual above the contract of th

would require seed.

The other crops in this Union are very good.

CLARENGERIS UNION.

1. Seed loan of above Union was 11,663 $l.\,;\,$ of this 8,000 $l.\,{\rm was}$ expended in potatoes.

- (a.) About 4,500 distinct holdings got seed. A great many of these were town plots.
 - (b.) The average each holding got would be about two bags or 32 stones, viz., 4 cwt.
 - (c.) The most any holding got was 5 largs of 16 stones, viz., 10 cwt.
 - (d.) The least given was 1 bag, viz., 2 cwt.
 (e.) All the seed in this Union was got by tender through M'Kenzle, of
 - (c.) All the seed in this Union was got by tender through in Kenzie, of Dublin.

 (f.) It was all Scotch seed, and turned out as well as expected, good.
- 3. The Guardians themselves were the principal people concerned in the distribution, and saw after it. Everyone who asked for it under 15 L valuation as the same of the sa

got it.

4. No other seed has been distributed in this Union since 1880. The Champion is the only potato used.

General Report of Condition of the Potato Crop in this Union.

A large seed lean (11,600 l.) was obtained in this Union in 1880. It certainly did an immense amount of good, and ever since 1880 there were splendld results in all parts of the Union, and no groumbling at having to pay an increased rate. There is about 900 l. out still. The crop this year is very bad compared with

with last year. There are in Divisions in all. There is not more that half a crop in six of these. In four Divisions about one-third, in the balance about one-quarter of a crop. I would say that next year seed would be required for about 2,000 holdings.

The oat crop is good.

The Master of Union cannot get sufficient good potatoes for the impactes at

present.
Average poor rate, 1.s. 4 d.

BALLINBORK UNION.

1. Seed loan of above Union was 10,451 $l.\,;$ of this about 7,000 l. was expeuded in potatoes.

(a.) Could not ascertain how many distinct holding, got seed in 1880.

(b.) The average amount given would be about two bags.
(c.) and (d) From one to five bags of 16 stones.

(c.) Seed got from Scotland by M'Kenzie.
(f.) It was all the very best Scotch Champion seed.

3. The Guardian of each Division and the Relieving Officers distributed.

No other seed has been imported into this Union since 1880.

No other seed has been imported into this Union since 1880.
 General Remarks as to the State of the Crops, &c., in Ballinrobe Union.

This is about the best-off Union of are, an the West of Debard. There is most nearly so large a number of small holders. The only power places is, in the few mountain Divisions, a comple of these are in county Galway. About 1,000 small holdings would be the countside of what would require seed next spring. The Land, as a sule, is a great deal better thoughout this minon, and the people letter of. Platts of where I down through there were as good position murthy is any year, and the blight has not attacked the tabers at all six Averages oper mine. I. at 2d.

verage poor rate, 1 s. 2 d.

WESTPORT UNION AND NEWPORT UNION COMBINED.

Total amount of loan under Seed Act, 8,646 l. Of this about 6,000 l. was spent on pointo seed.

Seed was got through M'Kenzie, of Dublin, and turned out of the very best description. All of it came from Scotland. A good deal of seed has been given out in this Union since by different parties, such as Mr. Take, Sir T. Brady, &c. The champion is the favourite down here, and, in fact, along the coast the people do not themselves know of any other seed that would

the coast the thrive there.

I find the blight to be general all over this Union, especially in the numerous islands. The crop is almost a total failure in some districts, the potnty gree to no size, and is quite unit for human use. In some of the lenter districts there are this specimens, but a great many of the fair-sized tubers were greatly affected by the blight, especially were they were any may thick in the erround.

ACRILL PORTION.

This is by far the worst district I was in belonging to Newport Union. There are 1,500 families living to this island; the potate crop was the principal means of support. There is also to ea-clitric of a poor crop, which will not bring the people into the new year. There will not be any seed available, for, if they did not use the few potatoses they have, it would not be advisable to

Plant them again.

To sum up, in the whole of the Westport Union, there would be about 3,500 or 4,000 beldiogs requiring seed uext spring.

34

18 1 COUNTY CLARE (EIGHT UNIONS).

BALLYVAUGHAN, COROFIN, ENNIS, ENNISTYMON, KILLADYSBRY, KILRUSH, SCARIFF, AND TULLA.

The Western Division of County Clare, comprising the five Unions of Ballyvaughan, Corofin, Ennistymon, Kilrush, and Killadysert, may be taken, as far as the potato blight is concerned, as pretty much in the same predicament. The soil is very much of the same quality, that is, where the crops are grown. It is not a tillage country, and the potato is cultivated nearly entirely in what is called black ground, or reclaimed moor and mountain. Taking one union with another I think a very fair e-timate of the crop at present would be about one third. Of course it is a good deal less in a few exceptionally bad spots, and better in others

The Eastern Division is much better off, being principally all a limestone country; that comprises the remaining unions of Eunis, Tulks, and Scariff. The soil all round is much better. Of course, the crop is very short of other

years, as Clare is counted an exceptionally good country for the potato. The people in this county are not depending nearly so much on the crop as nthers along the West Coast of Ireland

In this part there are also a few districts, principally mountain, which have suffered very much by the blight. I would say that there is certainly from one-half to one third of a crop. To sum up on the whole county, I am of opinion that Kilrush is by far the

worst Union Part of Killsdysert is very bad.

Ennistymon is badly off also.

Ennis is not so bad. Tulls, Scariff, Ballyvaughan, have about half an average crop. Corofin is a poor country, about one-third of a crop.

GENERAL REPORT OF THE POTATO CROP IN COUNTY SLIGO.

The Unions comprise Sligo, Tubbercurry, Dromore West, and the part of the Boyle Union situated in this county.

I may say that the entire County is pritty badly affected by the disease. There are a few good districts in stiff clay lands close to Ballymote, Sligo, &c., which have escaped fairly well, but in the congested portions the disease is certainly very bad.

The Union of Tubbercurry is the worst; the people attribute most of the damage done to the exceptionally late frosts in the early part of June. The tillage is nearly all in the very worst of the land; bog or mountain is

the favourite spot with the tenants to plant potatoes. The Sligo part of the Boyle Union is also in a poor way.

There were some Rocks and Skervies tried in this County in 1880, which did fairly well, especially the latter, but they were allowed to die out gradually in layour of the Champion. Most of the seed was Scotch, and was got through merchants in Dublin, Glasgow, and Sligo.

Seed Loop, 1880.

1. About 20,000 l. was expended on potstoes alone in seed in the whole county. 2. (a) About 7,500 holdings got seed. A great many small town plots are

included in this figure. (b.) The average given would be about 3 cwt.

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(c.) and (d.) Some got as much as 12 cwt.; some as low as 1 cwt. All the seeds turned out very well, except when it was sown too late.

3. The Clerks of the Unions were the principal distributors, whn employed men under them.

Seed will be wanted for next spring for about 6,000 holdings, which will require, on an average, about 3 cwt. each.

I would strengly recommend that more than one variety of seed be disributed.

DROMORE WEST. Amount of seed loan, 1880, 6,862 l.

£.4,260 was expended on potatoes.

There are about 2,700 holdings in the Union.

There are about 2,700 holdings in the Union.

About 2,000 holdings got seed.

The seed was all got from Glasgow, and was very good.

This is a much better-looking union than the Mayo ones, but I saw some very bad potates even in good clay land. There is a good deal of bad land along the coast and poor tenants; from inquiries it would seem there is not more than a third of an average crop in this Union.

I am of opinion that fully 1,500 holdings will require seed next soring.

SLIGO UNION.

Amount of loan, 1880 6,500 l
About 4,500 l. was expended in potatoes.

There are about 6,000 holdings in this Union. About 3,000 got seed.

Seed was got principally through Sligo merchants from Scotland, and was a great success. There are a great many very poor Divisions in this Union, principally moun-

I understand that in some places the crop is a complete failure; in a few good clay districts there is half a crop, but the tubers are barely fit for human consumption.

It is constructed a much worse year than 1880, and quite as many (3,000) will

BOYLE (SLIGO PART OF IT).

There are about 2,000 holdings under 15t valuation in the Sligo drivinos of the above Union. They are all on a low bog or inple sountiate land, and consequently suffered very marker from the blight. I could not accretish here under the summer of the summ

TUBBERGURRY UNION.

Amount of loan, 1880, 9,400 l.

require seed again.

£. 6,000 expended in potato seed.

There are 4,500 holdings in the Union Nearly 4,000 holdings got seed.
The seed came from Cross & Sons, Giasgow, nearly all Champion. There were also some Skerrice and White Rocks. The skerrice did very well.

There is a complete failure of the crop this year. It has not been so bad since 1846.

There will not be any reed available for next spring; the people in some backward districts are fiving on meal already. In consequence of the late frosts

in May, all the stalks were cut down.

Between 3,000 and 4,000 holdings will require assistance. I would recommend other sorts of seed to be imported.

GENERAL REPORT OF THE POTATO CROP IN THE COUNTY OF GALWAY.

There are ten Unions in this County, comprising Galway, Oughterard, Clifden in the West; Ballinasloe, Portumus, Mounthellew, in the cast; Gort and Loughres, in the South; Tuem and Glemamaddy, in the North.

Of the above, the first three or Western Unions, are by far the worst off;

Tuam and Glennamaddy come next; Mountbeliew and Loughrea next; the remaining ones of Ballinasloc, Portunna, and Gort are the bst off. The Western part of this Country is naturally the worst, as the land, especially

where the population is thickest, is of poor quality; but wherever the real

limestone comes in, the blight has not been nearly so severe.

There are parts of the Tuam, Glennamaddy, Moonthellew, and Loughrea. Unions very much e-negetted also, especially in the mountain and loggy Divisions which safered; but in the good land, and where care was taken to cultivate decemily the potato crop is not a bad one at all, but the people in these narts are not depending on that crop to any great degree.

these parts are not depending on that crop to any great degree.

I may say that I know fairly well every district in the county, and from inquiries made from the principal inhabitants, and from observations that came under my own notice as to quality of knd, and the obstacter the district boxe in the past with regard to the postso crop, I would say that the following calculations—that is, in or a shout—nould be nearly a correct estimate of the ergon

this year :-

Ballinasloe	-	-	-			-	55 pe	r ce
Clifden -				-	-	-	25	,,
Galway -			-	-	-	-	30	22
Glennamaddy	-		-	-	-	-	35	33
Gart -	-			-	-	-	50	11
Loughrea	-			-	-	-	37↓	
Mountbellew			-	-		-	40	20
Oughterard	-						30	111
Portunna			-	-	-	-	50	20
Tuum -	-			-	-	-	33	1.1

Of course it is next to impossible to make any sort of a true estimate until all the tubers have been dug out. I have seen very fair samples in one field.

while in the field adjoining the disease was very bad,

while in the next adjusting the disease was very bad. With r gard to the seed loas of 1880, nearly every holding in the county up to 10 t. Poor Law valuation took advantage of it. However, the crop having turned out so well nearly every year since that, by degrees, it was paid off,

except in a few poor Union.

To need was principally got from Scotland, and was meetly Champion
To need was principally got from Scotland, and was meetly Champion
variety. There were other north got, such as Rucka and Sherries, but they did
not do so well. I am confident that need will be required again next spring,
and the people would be verily too delighted to gay for it in reasonable time.

was, it would be very survive to blant it.

SUMMARY OF REPORT OF THE POTATO CHOP IN THE WEST OF IRELAND (SLIGO, MAYO, GALWAY, AND CLARE COUNTIES).

It is gravally emposed that the postes crop has suffered more slong the western endowed than in any other port or broken and expensible in the four eventies named. No doubt there is more borrd shout the failure in these strictles, for it is all what may be termed as congerior, and the people have to look zeros to that crop as a means of subistence through the winter thin, It thoughts of the great failure of 1846 and 1847 in they minta't eye, they feel thoughts of the great failure of 1846 and 1847 in they minta't eye, they feel

greatly alarmed at even a partial failure any year since.

There is no doubt the potato crop is a failure on these counties this year. It would be very difficult to state what amount of the crop will be saved; but

there is one thing certain, that the tubers are very inferior for esting, and I should say totally unfit for planting next spring.

There are very good districts in all the four counties I montion, but they are less term Dirasions, where the coll in nucle better and the limestone abounds. In these parts the population is in no way congested, and the people not depending so much on the copy but in the Western Divisions and congested pasts, and where the land is sick of cropping year after year, the fullers is complete.

It is not an uncommon practice for these people to sow potatoes three and four years in succession, for the soil is light and poor, and the supply of manure often very limited, so it takes a coupl of years' manuring to produce anything

of a cura crop. The Eastern side of Clare is the best off of any district I was in, chiefly owing to the great quantity of limestone and a better system of tilling. Kilengle Union is far the worst off in county Clare. The population is thicker, and the people much poorer. The land is heavy and wet. I saw as bad potatoes to this union as any union I was in, except Achil and Swineford. I do not think there will be any seed available at all for next year. The champions did very well here until this year. There were a couple of hundred tons of other varieties got in 1880, including American seed, which was a

complete failure. There are no potatoes of any account in the Islands along the coast of Galway and Mayo. I was not in the Arran Islands, but I heard they were not so bad as usual this year, as these islands are all a bare limestone rock and sand. At the outside calculation, I believe, in these four counties, taking good and had districts together, there would be about one-third of an average crop. In a few instances there are as good potatoes as any year, but this I cannot

account for.

All the inhabitants are most anxious to get a change of seed, and are most willing to pay for same. A great many would pay down for it, the rest on easy terms. I do not think there is any reason for a cry of famine No doubt in some of the very remote districts the pinch will be felt early next yest. They are buying Indian meal in large quantities at present in some

I am of opinion that other kinds of seed should be imported as well as the Champion.

October 1890.

(signed) W. G. Eyre.

MP READECH'S REPORTS UNIONS OF GOREY, ENNISCORTEY, AND WEXFORD.

In pursuance of your instructions, I have inspected the potato crop in the Unions of Gorey, Enniscorthy, and Wexford, and annex hereto my report on

each union. I have endeavoured to obtain as much reliable information as possible from Clerks of Unions, farmers, and merchants in the seed trade. In addition to this, I have driven through those Electoral Divisions coloured on map, and examined the crop. I am happy to be able to state that I have found the potato crop, as far as I have gore in county Wexford, much better than I expected.

Even the farmers themselves admit that the main crop has turned out much better than they anticipated.

Wexford does not seem to have suffered from the blight on the sea-coast as other counties have done; in fact, the best crop I saw in the county was in Barony of Forth, quite close to the sea, on a sandy loam.

(segned) J. R. Hendech. 25 October 1890.

GORRY UNION.

In the Electoral Divisions of Kilgurman, Courtown, Ardamine, Ballygarret, Cabore F rd, and Killinepoly, the soil is stiff cold clay. There is very little tillage in these divisions; nearly all in grass. The few potatoes which were planted are a bad crop. The tubers are small, and not matured; the tabers which were blighted are nearly all rotten. I do not consider there is more than one-third of an average crop in these divisions. I do not consider any potatoes grown in these Divisions would be seed to rely on for next rear's crop.

In the other divisions which I drove through the soil is dry and sharp; the potatoes are as a rule sound (very few diseased ones), but many of the tubers are small. I would say two-thirds of an avarage crop, suitable for consumption In all cases I found where potatoes were planted early in March they were

by far the best crop. Champion is the main crop. A few Flounders are sown for early use.

No other seed distributed in the Union.

far as I can learn from farmers, they trequently change seed; all agree that this year the new seed is no better than the old, A total change of seed would be beneficial to all Counties; as far as I can

judge, the farmers in Gorey Union are able to buy fresh seed if they wish to do so, but the question is, where are they to get it? Certainly not from local seed merchants. I beli-ve myself that for every 10 tons of potatoes sold as Scotch

s. cd, not 3 tons grew in Scotland. Potators are seiling in market at 3 s. and 3 s. 6 d. per cwt. I understand that 281 barrels of polators were distributed in spring of 1881 to farmers under 15 l. valuation. No man got more than one barrel. The seed was imported direct from Scotland. The seed was distributed on an order from

the Guardian of Division, signed by Poor rate Collector. (signed) J. R. Headech,

ENNISCORTHY UNION.

In the Northern Divisions the soil is day, and the potato crop fairly sound (very few discussed tabers). As regards number of sound potatoes, the crop is equal to average of last four years; but many of the tubers are small, and not matured.

I would say there will be two-thirds crop, suitable for food and seed,

The Southern Divisions generally are cold, stiff clay, nearly all in grass. The few potatoes sown are much blighted and small, bad for cating, and not to be relied on for seed; but the area under potators is small. About one-third crop in these Divisions. These farmers will have no difficulty in getting any seed they require in Knuiscorthy market, where good eating are now selling

at 3 s. 4 d. per cwt. The Champion is the general crop, but Scotch regents are much sown around the town, and are approved of In several fields I saw them being dug,

and they were much better than the Champions in same field. This I attribute to the fact that they form bulbs earlier than champion, which is a late grower. In all cases I found the potatoes planted early the best

Farmers do not, as a rule, in this neighbourhood, change seed as often as in Gorey or Wexford. Some men rold me they had the same seed for seven or eight years, and they did well till this year, and this they attribute to the

early blight. The same remarks as to change of seeds in the Gorey Union are applicable here also.

I was informed that all potatoes distributed under Sect Act, 1880, were purchased in the local market, which turned out badly, and much of which has not been paid for.

All the seed distributed was home-grown Wexford seed.

(signed J. R. Headech.

WEXFORD UNION. In the eastern and southern Divisions in this Union, the potato crop varies a good deal; in this way, on light friable or sandy loam the crop is fully two thirds (and in some places more) of an average crop, but in these you sometimes come across low-lying badly tilled fields with not more than onethird crop, but this is the exception. In the whole of the Divisions marked red, I consider there is fully two thirds of an average crop of sound potatoes suitable for food or seed.

In the Electoral Divisions of Glyn, part of Kellurin, Kilbride, and Fortb, are stiff clay, now nearly all in grass, the few patches of potatoes planted are had; most of the crop was diseased, and now rotten; the remaining sound tubers are small and not matured.

In Divisions of Newcastle, Rathaspick, part of Aughwillium, and Bridgetown, the soil is cold semi-mountain; there is not much diseased potatoes, but

the tubers are small and badly matured.

In these divisions, I would say there is not more than one-third crop, and those which are now sound could be hardly reliable seed.

those which are now sound could be narray reliable seen.

I find everywhere the same potatoes planted early are by far the best crop; in some places in Barony of Forth, notatoes planted early on sandy loam are fully

some places in Barony of Forth, potatoes p equal to the average crop of last four years.

Champions are the main even. A postao called "Primrose" is a good cleal sown, and has done well this year. Primrose is a local name for a potan which was once well-known as "Pris. Eye," but which has died out of most contints. It is a medium only postato, and as this year copped better than Champion, which, in consequence of the last this year couped better than Champion, which, in consequence of the last this year couped better than Champion, which, in consequence of the last growth, was cut off too

I statispine as searchy of postators for food or seed in County Westford.

Framerus, hearing such bad accounts from the South and West of Fredan,
have an idea they will get famine prices for seed next spring, and will space
them accordingly. Pecked stating postators are now neithing in Westford markets
at from 3x, 44, 60 3x, 64, per cere. A change of seed would, of course, be
been stated to be a seed of the see

I think the farmers here have changed seed oftener than in Gorey or Runicorthy; they seem more alive to the advantage of such. All was Irish seed obtained in local market.

The seed was distributed on an order from the Guardian of the Division in

which the party lived.

No other seed distributed by any charitable fund.

There are four Divisions in this Union which I was not able to get at, namely, Whitechurch, Ballymitty, Harristown, and Bannon. Harristown and Wuitechurch are poor Divisions, in which I would not expect

Harristown and Writechurch are poor Divisions, in which I would not expect to find good crop. Ballymitty is good, sharp, dry land; the crop ought to be fair. Bannon is perhaps the best tillage land in Wexford. I speak from my recollection of them when I was working in this County four years ago as Assistant Commissioner.

(signed) J. R. Headsch.

General Remarks.

If seed poratoes are to be distributed next spring, I would beg to make a few suggestions. Up to the prisont, nearly all seed imported from Scotland have been obbined from the same district, Forfarshire. We have been getting much same seed year after yeu.

I believe as good or better change of seed could be got in North of Ireland, in Down and parts of Antrim, provided the seed was bought by a competent judge,

who would only buy good sound seed.

I do not mean to say that seed should not be imported from Scotland, but, if

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possible. I would like to have them from other durinists than Porfassitive or Fife.

Another reasons why I advocate the purchase of seed in Novith of Tenada is the
fact that if purchases are made largely is Novitand, the price will go up to such
a pitch that the ordinary farmer who might with to change the xeed will find
the price too high, and will fall back on his old worn-out seed again; the conseoutere might be serious on next year's crop.

If the thing is to work well, ore should be taken to purchase good seed; and not, as a rule, to buy in cheapest market, as was done in 1881. Supposing seed is slought as I suggest. The next thing to be thought of is the proper distribution of that seed so as to suit certain localities. Seed transported from a bog in Scotland to a bog in Ireland is a poor change. What I

mean is, that seed grown in moory land should be sent to light dry soils, and putstors grown in dry subs should be sent to the cold moory districts. This is the only way i see to elect a change of each with hemeficial results.

There will, no doubt, be a great ac repty of reliable seed in south and vest of hereland next spring, and as m + of the land in what ever called the half districts is sold, or moory, the seed spplled should be from light day land. This is why think that patacets grean in the light fraible sols of Done, or the sondy sold think the patacets grean in the light fraible sols of Done, not not old soony districts than Sectch seed, most of which is grown in moory land, and the sold of the best to major from Sectland Sections we could get Champtons mochers do.

25 October 1890. (signed) J. R. Hendech.

New Ross Union.

I did not visit the extreme north Divisions of this Union, as I was informed by were nearly all in group little or no tillage.

they were nearly sil in grass, little or no tillage.

In the Divisions of Rower, Ballyanne, and Clouleich, the crop, though com-

paratively free from blight, is pour, the tohers heing small, and evidently not helf rue. In these Divisions I do not think there is more than one-shird of an average crop fit for fond and seed. In the extreme -outh of the Union, in Divisions of Horetown, Congoen,

Tinters. Fethard, Templetown, and Ballyhack, the crop is badly hilighted, particularly on seashore.

There is certainly not more than one-third average crop in these Divisions, and these are small, lad to car, and I fear will not make reliable seed for next

and these are small, and to car, and I fear will not make reliable seed for next year.

The centre of the Union is mostly dry, friable soil. The potators are not much blighted, het many of the tubers are small, and not fully matured. This

part varies very n uch; in some places I find fields of potatoes fully up to an average crop; in next townland much helow. However, on the whole, I saw of opinion that in the other Divisions there is

fully two-thirds average crop fit for consumption or reliable seed.

The crop varies according to the land, tillage, and date of saving.

In all cases potatoes planted early in March on dry land are a fair crop.

The farmers, as a rule, assure me they froquently get new seed with go d
results till this year, when they all noy the fresh reed is as bad as the old,

Unfortunately the districts most hlighted this year are those in which potatoes are extensively grown.

Champion is the main crop; a few early sorts are planted, but only small hits for summer use. Scot b Downs were much grown at one time, but latterly have

given piece to the Clumpk is, which have done well until this year.

I do not think any other postaces would take in this neighbourhood.
In all cases on land exposed to the west wind off the sea. I find the cr p

hadly hlighted, and, strange to -ay, in fields exclusively manured with seawed the crop is much worse than in those manured with farmyard manure. This I cannot secount for, as seawed, containing a large amount of potash,

ought to be a good potato manure, but this, like everything else, can be over-

In this Union farmers look well off. The lahourer has plenty of employment.

Out-door r.bef not higher than last year. Potatoes now selling at 3 s. 4 d.

per cot. in wasket.

The seed distributed in spring of 1881 was hought in the local market, and did not give satisfaction; consequently much of it has not been paid for. Though I look on this Union as the worst in County Wesford, I do not satisfact any scarcity of seed next spring. In the first place, the farms are

large, larmers fairly well off, and well able to buy fresh seed, if they require such. Secondly, farmers have the blea that seed will be very dear, and will save all they can for spring sale.

The farmers here are a different class to those you meet in West Cork.

The fermers here are a different class to those you meet in West Cork, Mayo, or Galway, who really have neither the means nor the opportunity of getting fresh seed.

(signed) J. R. Hendech.

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WATERFORD UNION.

About half this Union lies north of the River Suir, in County Klikenny. This partion of the Union is mostly a grazing country, only small patches of tillage, which vary. In the dry land, where potators were planted early, they are a fair crop for this season.

Late sown potators on cold soils are a poor crop, the tubers small and not matured. I could say there is not more than two-thirds of an average cron

suitable for food and seed.

The Electoral Divisions joining the River Suir on south side are much the same class, mostly grass; but where potatoes have been planted early on dry soils, the crop is fair, not much blighted, but many of the tubers are small

I think there is fully a two thirds crop in all these divisions.

The Divisions in the extreme south of the Union are much the worst, particularly the parts joining the sea, where the crop was blighted much earlier than

inland, and in these Divisions there is much more ullage than in the inland Divisions, where the land is principally in pasture. In this part of the Union I do not think there is more than a one-third crop suitable for seed or food. Still, I think there will be plenty for soed next spring, as farmers will save all they can, expecting high prices. Farmers assure me they have frequently

changed seed, but that they see no difference this year between the new seed and the old; all were cut off at same time.

People in County Waterford do not rely on potatoes as a staple article of food, The labourer has plenty of employment to get at fair wages,

The Champion is the favourite potato for main crop, and has done well since its introduction till this year, when it was blighted too early, Soutch Downs were the principal crop before Champion was introduced, but

are now rarely planted. Potatoes are dearer in market here than in the other towns in the county.

namely, 4 s. 8 d. to 5 s. per cwt. £.593 was paid for seed potatoes in spring of 1881, which were divided among 388 holdings under 15 l. valuation.

The seed was supposed to be imported Scotch Champions. Waterford, 1 November 1890.

(signed) J. R. Headech.

KILMACTHOMAS UNION.

This is a small Union and thinly-populated (only about 10,000 population), except by the sea, where population is thicker, and where there are many small holdings, the inhabitants of which live partly by fishing, and in some cases take land from farmers for a sesson's crop. The land is cold and not suited for tilisge; the consequence is very few potatoes are planted, but these have turned out badly, as the land being cold and wet in most cases, the crop was not got in carly

Some of the land by the coast is really good potato soil, and usually produces good crops, but this year the blight began so early they were cut off before tubers were half grown; the consequence is half the crop is blighted and rotten, the remainder not half grown, and unripe

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In this Union I think there will be a scarcity of good seed next spring, as few potators are sown. In some Divisions they will not have more than sufficient for their own use, and in other Divisions I see very little which could be relied on.

The people do not principally rely on potatoes for food, but I do see a probability of a scarcity of reliable seed.

There is plenty of employment for labourers. Potatoes now selling at 4 s. 4 d. to 4 s. 8 d. per cwt.

In this Union I find, as in Wexford, that all land exposed to the west wind off the sea the notatoes are much worse than in the same class of land not exposed to the nest. In spring of 1881, 922 4 was expended in the purchase of seed potatoes,

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which were divided among 635 holdings, at an average of 25 stone to cach The seed was supposed to be imported Scotch champions.

The rates struct this year are lower than the average for the last four vears. (signed) J. R. Headeck.

Waterford, 1 November 1890.

CLONMEL UNION.

The Electoral Divisions south of River Suir, in County Waterford, viz., Graigmagower, Ballymacarbry, St. Mary's, Gurteen, Killalo-n, Kilmacoma, Kilronen, are more or less cold, high land, much of it mountain pasture. The potato crop in these Divisions this year is bad. The tubers are small, unripe, and badly blighted. In the above Divisions I do not consider there can be reliable seed for next

spring, as none of the potatoes seem half matured

I do not consider there is more than a one-third crop; these are bad for food, and certainly not to be relied on for seed. Though the people do not now rely on potatoes as a staple article of food as

in years gone by, they rely on it to produce pork, poultry, &c , for the market. In this way, the failure or partial failure of the potato crop will affect small farmers in the Divisions I mention.

In the Electoral Divisions north of the Suir, in County Tipperary, the land is much better, but the crop varies very much. In some places there are fully an average crop; in others, not a half crop. Much depends on the soil, cultivation, and time of sowing; in all cases, the carry planted are much the

best crop. I would say there is, all round, a two-thirds average crop in these Divisions. The Champion is the only potato now in use for main crop. Farmers believe innothing else, and though they have not resisted the blight of late years as well as when first introduced, still they are first favourite, and all others seem

to have died out. This I consider a pity, as Champion is a late grower, and in seasons like this, when blight sets in early, is bound to be a failure.

I have met several places where fresh seed was planted last spring. I can see no difference between them and the old seed. Potstocs are selling in market at 4 s. per ewt.

In this Union, I could get no information as to what was done under Seed Act of 1880.

CARRICK-ON-SUIR UNION. The Electoral Divisions of Newtown, Tullahought, Bodlygisss, Muckalle, and part of Kilmurry, in the north of the Union, and Ratheormuck, Ross, Ballydurn, and part of Clones in the south, are high cold lands; in some places, semi-mountain. These Divisions are thinly populated, and mostly in grass. The few potatoes grown are this year a bad crop, tubers small, unripe, and

badly blighted. In the rest of the Union the land is much better, and though the potato eron varies very much, according to the soil, da'e of planting, and mode of cultivation, there is for this year a fair crop: plenty for food and seed. In all cases, same as in other Unions, the crop where planted early in dry laud is far

the best. The Champion is really the only potato now grown. All other sorts seem to have died out, except a few early ones for summer use.

Champions seem to have done well to this locality since their introduction until this year. Farmers assure me they have frequently changed seed, getting Scotch seed from Waterford, with good results until this year, when the new

seed is as had as the old. There may be a scarcity of reliable seed in some places. The fact that this union only borrowed 52 L under Seed Act, 1880, speaks for itself; and this was only required for two Divisions, where it was divided among 30 holdings at an average of 30 s. each, all of which has been paid for

No seed save imported Scotch Champions was distributed in the Union in 1880.

In the Divisions of Ringville, Ballymacurt, Ar-Imore, and Mountsteward the potato crop is really had. Part of Ringville and Ballymacart lie on the seashore, where the hlight set in early. The crop is leardly worth degging. The other parts of above Divisions (inland) is poor cold mountain land, where the crop is also had, not as many black as near the sea, but tubers very small and not matured. Ardmore is cold land, nor suited for potatoes; Mountsteward nearly all mountain In these Divisions I do not think there will be one-third average crop, and those are had for food and not fit for seed.

In Dromana, Keeran, Whitechurch, Cappagh, part of Carrigles, Dungarian, and part of Clones the soil is mostly limestone formation. In these Divisions, though the crop varies a uch according to soil, cultivation, and date of planting, the poratocs all round are fairly matured. I consider there is fully a two-third average crop, suitable for seed or consumption. When I say average crop I

mean for last five years, not last year.

In Modelligo, Seskinau, Commaraglin, Bohadoon, and part of Clonea the soil is cold, and now mo tly in pasture. The few potators grown in these Divisions are far below average; the crop, though not hadly blighted, is thin, tubers small, and not matured. Part of Bohadoon, Conmaragira, and Clones is a wild mountain on which there is no cultivation. In these Divisions the cropwill not be more than one-third of an average, and of this very little reliable

In parts of the Union there will be a great scarcity of good seed next spring. I do not see where reliable seed can be got in the locality, as unfortunately these districts are the potato-growing districts, which usually supplied the market and surrounding districts with seed. The other districts may have enough for themselves, but will have none to spare.

The districts which have suffered most this year (by the sea) are the most thickly populated. The farms, as a rule, are small, and the occupiers appear

poor, far helow the same class in County Wexford.

Carrick-on-Suir, 8 Nov. 1890.

As far as I can find, farmers here have much neglected changing seed; I mean getting fresh imported seed. They sometimes change from upland to lowland, but still it is the original seed introduced in 1881.

Scotch Downs and White Rocks were the sorts most planted before the introduction of Champion. Now they have almost disappeared, and farmers believe

in nothing but the Chempi n and a few Flounders for early use. I think a judicious distribution of fresh seed, at an average of 3 cwt. per holding in the bad districts in this union, to small farmers, would be the greatest possible hoon, provided the seed was got from a proper locality and properly

distributed. The sum of 1,911% was borrowed by this Union under Seed Act, 1880.

The sum of 224 l. 18 s. 11 d. has not been raid. The potatoes were supposed to be Scotch Champions, and gave satisfaction. The potatoes were divided among about 2,000 holdings, in quantities from

8 stone to 32 store, according to size of farm. There has been no other seed distributed since in the Union. Potatoes are selling in Dungaryan market at 5s. 4d. to 5s. 8d. per cwt.

(signed J. H. Headech,

MR. DILLON'S REPORT ON COUNTY DONEGAL.

County Donegal, Letterkenny, 24 October 1890.

WITH reference to the state of the potato crop in the parts of the County Donegal inspected by me, I have to report as follows :-The districts which have formed the subject of my careful personal examina-tion and inquiries comprise the Unions of Milford, Inishowen, Stranorlar, and Letterkenny. 134.

The present failure of the potato crop falls very far short of that which occurred in 1879, both in the extent of the area affected and the resulting

Tanght, no doubt, by the dissert of 1879, and probably also deterred by the uncommonative prices which potatose lawer brought these last years (falling as low last year in these districts as 1.e. 6d. per busines), the farances lawer endoard considenably the proportion of lead ultitate nembyed in rating this crop. In those parts of the County Donegal which I have winted, marine and in point of yield and outlife.

There is also an abundant crop of oats throughout the districts referred to, almost all or which has now been got in, and made up-afely in the haggards, and any less arising from the unfavourable harvest weathers in August and

September is fully made by the very large extra return.

Young stock and shoping are still bringing remainerative powers, it being by in aged store-castle the full in prices has centred, and the mountain pastures over which it is small farmers in the output Bourgal have, in most cases, with young extle and theory. The rote of wages prevailing in England during that past season has been very good; ordinary field knlowers receiving at shillings per week. Large number from these distinct go over to England

Attached to this Report will be found in tabulated form certain particulars regording the Unions of Milford, Inishowes, Stranolar, and Letterkenny with respect to what took place in the Unions as to seed in 1889, also what I would

recommend as to a supply of serd in 1891.

In place where early planting, good large seed, proper manuring, and culturain were the role, little or more of dissens is to be found. In several fields that I not with in any cumination, absolutely no dissens at all was to the contract of the contract of the contract of the contract of the same the televant seven and the contract of the contract of the grant, no red, guants, to called, as manure, in place of that from the form, and, and facilitation as red the crit, the copy used dissease, and the postures were invanishly all very small, in more instances and higher them in again, which is the contract of the contract of the contract of the contract of noil, clustum as regress all times, absence of she-born, and promising to

the sea. For example, in fair clay soils where the planting bed been late, the seed used small and poor, and the namering gamo, I found the crop bed in quantity and quality, restributending that the farm was favorangly situated; while in several instance, in exposed situations at foot of the high chain of mountains which extend using the perhausal or lisablowers, also in the mountains darket close to Cherchill and Gartra, in the Unias of letterberay, I found a fair average crop, and a total absence of disease, early signating, god seed,

proper mainre, and cultivation being the rule in these cases. Then, as regalls permitty to the sain, visil give two examples. I found and covering good, largery the sain of the rule of the covering and and torther on at almost the extends of the road between its and thus are. And further on at almost the extense point of Main Head, in a seemingly pror moory soft, rocky, and the sub-soft which and, within a few feet of the covering tha

Rocks" mixed. I found also good crops on black moor, almost bog, but dry and recently broken up.

Taking the wice's fraging and bresists of the districts visited by me, and companing one with the other, it is a silamination in quantity or return, and not the amount of disease which deserves volve; in heat this year there is year, nohing more then white which we will be a silamination of the contraction of the property of the pro

full average crop, and in the mountain districts a one-third crop of sound potatoes. In the Union of Letterkenny there is the full average crop of good years in the greater part, and an average crop of ordinary years in the remainder; making a full average crop of sound potatoes over the entire Union.

The hest eating potatoes are selling at Milford and Carndonagh, the principal market towns in the Milford and Inishowen Unions, at 2s. 4d per hundred, 3½d. per stone; and at Leiterkenny and Stranorlas at 4d. per stone.

I have not been able to ascertain what the new poor rate for the Union of Milford is, but I am informed it will not be much, if any, over that of last year.

In the Union of Inishowen the new rate averages 1 s. 6 d. in the £. over the entire Union, the highest being 2 s.

entire union, the ingreest being 2 s. In Stransfer Union the average is just 9 \downarrow d. in the £, the lowest being 6 d. and the highest 1 s.

In Letterkenny Union the average is just 1 s. in the £, the lowest heing 10 d. and the highest 1 s. 6 d.

These new rates are fair tests of the viens entertained by persons having good, reliable sources of information as to the prospect of any distress in these Unions of any account.

The only danger to be apprehended, in my opinion, is that in the mountain districts, or wherever there are small, poor occupiers, the immature, stunted, small potatores may be retained and used for seed in the coming spring, the larger ones being used or sold.

sarger ones being used of solo.

To avert the evils that would he sure to result from this course being adopted, possibly a real famine next year, I would strongly urge the necessity that exists for supplies of seed being furnished to these districts next spring,

"Champion" seed for the most part, and to he got from Scotland. (signed) T. A. Dillon. L. Amount begrowed in 1880 c 2. Quantity of potato sood purchased? 400 tons 3 Kinds of sood, and where obtained? 150 tens of " Champions" from Seethanl, and 250 tens of "Brown" and "White Rocks" from 4. Number of holdings supplied? About 2,000. I cw L . total cost, about 24 2c Given out at Militerd on orders of Guardians of Divisions sant in with applicants. 7. What other kinds of seed used throughout "Gawkies," "Lumpus," and a kind called 8 Which of all kinds mentioned is read med 9 9. What kinds do you consider best suited to the locality, and most likely to be taken by the "Champions" and "Brown Borks." 10 Estimated quantity likely to be required 200 tons 2 cwt. to each, baif "Champtons," and half "Brown Rooks." (signed) T A Taillen 18 October 1890.

YOMEN TRION.

1 Amount borrowed in 1890?	X 5,094
2. Quantity of potato sood purchased?	500 tons
3 Kinds of seed, and where obtained?	Champions, 150 tens fren: Forfarshire Strovy Bloss, 200 tens frem Limavady Brown Recks " and " White Rocks," 150 ten from local dealers
4. Number of holdings supplied?	About 2,500
5. Quantity to useh overpice?	4 swt., 1 swi of each of the londs.
4 System of distribution adopted ?	Stores were hired from responsible parties a Carndonagh, Moville, Closmony, and Burowan and the seed green out there to the parties of orders of Guardians, the storekeepery bean accommabile for the seed stored with them
7. What other kind used in district?	"Yrish Whotes" and "Clusters," also "Mag num Bosums"
N Which of all the kinds mentioned appears to be most in use?	" Champione."
9. What kinds hers for the locality and most firely to be taken by the farmers?	"Champions," "Brown Books," and "Skorr Bluce."
10. Estimated quantity required in 1891, and quantity to be given to each applyant?	\$20 tone , 2 rwt to each, half being "Champions."

STRANC	RLAR UNION.
1. Amount horrowed in 1880?	S.1,980.
2 Quantity of polsto seed purchased?	About 100 tens.
\$ Kind of seed, and where obtuned?	"Champsons" from Southand; "Brown Rocks," local dealers.
4 Number of boldings supplied 5	About 500.
5. Quantity to such secures?	About 4 cwt.

(.	31)
STRANORLAR '	Unton-continued.
6. System of distribution?	All given out at workhouse on receipt and promisory note for the amount from the party receiving
7. What other kinds of seed used in district?	"Irse't Whites" and "Magram Benums."
8. Which of all kinds most in use?	"Chempions."
9. What kinds bost saited to locality, and most likely to be taken by farmers?	"Champions" for good land; "Irish Whites" for morniain districts.
10. Estimated quantity required for 1891, and quantity for each holder?	About 50 tons; 2 cws. each, half to be "Cham- prone."
Levterk	ENT UNION.
1. Amount borrowed in 1880?	\$-2,010.
2. Quantity of potato seed purchased?	150 tons
	110 1111
3. Kinds of seed, and where obtained?	
Kinds of seed, and where obtained? 4. Number of holdings supplied?	"Champions," (0 tons; "Brown Rocks,"

6. Springs of describation alogods?

What other leads of used and in the description of the control of the con

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22 October 1890.

REPORT BY MR. THOMAS ROBERTS ON THE STATE OF THE POTATO CROP IN WEST CLARE

In corolator with the increasing I verified on 20 October 1800.

In corolator with the increasing I verified on 20 October 1800, and in Jacobse I state I promoted in the Goldering day to Exciss 1800, task 1800, task 1800, task 1800, to Cercios. Bollyvangelas, Enadaymon, Kifrush, and Klishyarer Union, returning from the Schanner Schann

During the progress of my inquiry and inspection I assertained, as for as possible from sources that I believed reliable, the state of the potato crop in their respective localities. I had also the advantage of the opinion of clergymen and others who I considered could give reliable information on any route, the contract of the contract of the contract of the contract of the secting potatoes dup at very many points, and in addition to this I examined them occasionally with a spake I carried for the purpose.

The energy-troughout Vert Care in a load one, particularly on the coast line, does does solough to be this of a next once of the energy of the third energy model of it are seen of the energy of the

As an indication of the short supply of potators, young pigs are almost unstable in the markets and first in the direct, and there will probably be a very limited stock of grown jdgs after Christmas. The potato constitutes entry the whole of the green crops; ounparticely for turnlys and mangdid the casts is fully an average or over it, and the little whost cultivated produced fairly.

narry.

Schedules are attached giving some particulars of the cost and distribution of the potatoes under the Seed Act of 1880, and endorsed on tiese Schedules are extracts from the valuation books, which may be useful in forming an annoximate estimate of the probable seed required in 1891.

In Kilrush Union 8,900 l. worth of putatoes passed through the hands of the gardians and their officers in 1880, and of this sum it appears 1,823 l. has been pronounced "irrecovershie."

The variety of potats sown in West Clare has been chiefly the champion. In many places the Scott-down (local name Lander Coats) has hese grown, and it formed the hulk of the pet-to corp previous to 1879. It is a better keeping petato than the Champion, which has been found an inferior table potato between May and August. The flounder, as an early variety, produced a good crop this year, particularly in the south part of Bush. Bull-vary large and the contract of the contract

Ballyvaughan nearly average crops were produced from seed purchased last spring in county Galway by a few farmers. On the other hand there was scarrely a half crop caised on dry moory soil at Spanish point (near Miltown Malbay) from seed, said to have been imported Champions from Scotland. On the same flat of moor, and quite near, a heavier crop was being oug out from home-grown seed. Miltown Malbay was one of the best localities for producing good potatoes hitherto, and this season the average produce there is under one third At Kiladysert, Champion seed was got last spring from a Limerick merchant, the produce is very bad, while an excellent crop was grown from local seed. Six farmers on the islands in the Ferons also got seed from Limerick, and they have bad crops. The potatoes in West Clare are most likely unfit for seed and cannot be depended on. On review of the whole matter it appears highly distrable that new and sound seed should be introduced in 1891. In fact it is essential for the future well-being of the classes depending much on the potato crop, but great care must be exercised to get sound seed, as the disease is reported to have affected the crop in Scotland to a much larger extent than it has in the midland and southern counties in England. Flounders for early use, and Champions and Scotch Downs (a variety known as Leather Coats in Clare, as White Rocks in the north of Ireland, and as Green Tops in the south) for the general crop, distributed with due discretion amongst the tenants and latiourers depending on farming business, would most likely prove an incalculable benefit to these classes, especially to those whose valuations do not exceed 10 L, as they will suffer more by the loss of the potato crop than larger farmers. On the coast-line there is a limited area of dry dark light soil, which bitherto has been found best for potato culture, and this land is usually let in con-acre annually, reats varying from 3 L to 6 L an Irish acre, the user cultivating and manuring it. In some places it has been growing potators, from the same stock, for a great many years in succession, having been repeatedly manured with seaweed and sea sand. The poor fishermen rent some of this land when and where they can get it, and they are a class that will suffer more or less by the failure of the crop, and are deserving of consideration, more particularly as potatoes are used at the table two or three times a day where fish is to

or use.

Osing to the riday season, turf has not been well 'savel, and it is now
until down them usual, particularly in the notition part of Wes Alex, where
the price is 6.4 of per crute. This wish contribute to the drivers in some
cases. The projected Soath Clare line of fluids say, when opsaed to the small
land the state of the same of th

(signed) Thomas Roberts.

ENNIS POOR LAW UNION, COUNTY CLARE.

SCHEDULE relating to Seed Potatoes given in 1880, showing the Classes that got them, and Cost.

Electoral Divisions.		Person, supposed to be Birsis, Parm Survette, and Small Branchablers, who got Seed on Security of Ratepayers, principally for Con-Acre	Occupants Valued at it under £ 4	Occupante Bated between £.4 and £ 15.	Total Number who received Reed	Stores of Sord supplied as each Devance.		Dase	
							£.	6.	
1. Chreebbey -		27	70	9.7	174	8,709	284	16	
2. Celnsoh -		84	18	32	129	2,635	203	- 1	- 2
3. Cuishoen -		24	345	67	181	0,460	267	- 8	10
4. Дона -		48	7	40	110	2,784	209	*	11
è. Diumline -		28	8	14	45	1,162	89	-	- 4
d. Dysert .		26	6	68	95	3,751	267	- 6	- 0
7. Ennis .		148	189	48	225	7,950	516	111	- 2
8. Kilcoher .		39	10	67	106	3,251	249	15	n
9. Killone -		58	10	97	20	2,578	197	0	- 6
o. Klinemom -		81	10	16	100	8,406	0.05	IR	- 7
1. Newmuket		85	18	- 51	105	2,709	211	11	8
2. Six-mile bridge		43	18	18	76	1,680	130	19	9
a. Templemely		36	13	18	07	2,156	165	3	- 8
		66	19	32	110	1,897	206	12	- 4
	٠,	40	18	18	80	1,081	151	15	- 9
	٠,	10	7	48	87	2,564	196	8	- 0
		94	9	7.5	101	8,879	258	17	11
	•	94	11	87	72	1,001		10	10
		91	- 6	0.1	57	1,525		16	- 6
o. Spenosibili -		57	21	10	84	8,141	164		6
		1,019	494	794	9.160	57,0740	4.374	10	8

* Vrs., 506 teen 10 cmt., at 19 f &s. a tro.

The printes were stated to be Champions imported from Scotland, and supplied through contractors is Girls, at prices very log from 0.1 to a to 11.5 per ton. In cash or the Econtect Decisions, No. 19, 3, 4, 4, 5, 7, 11, 123, 21, 14, 15, 19, and 30, it is compacted that the crop in tall an average one. In the remaining Divisions it is compacted the crops and reach which of a sa average one.

Electoral Divisions. Numbers.	Heldings Valued at or under £, 4,	Approximate Number of H-t/rags Valued from £. 4 to £. 15	
1	93	97	
2	41 01	32	
3	01	07	
4	03 18	40	
5	18	16	
- 6	31	68	
7	101	48	
7 8 9	25	67	
9	9.9	97	
10	30	10	
ii ii	41	51	
12	20	18	
13	26	18	
14	17	32	
15	31	18	
16	32	48	
17	10	7.0	
18	23	37	
19		81	
20	11	10	
	651	724	

CORROTT POOR LAW UNION, COUNTY CLARE.

SCHEDULE relating to Sted Potatoes given in 1880, showing the Classes that got them, and Cost

Sectoral Diverses.		Persons, supposed to be Hereis, Perm. Servanes, and Smill Hambelders, who get Seed on Security of Hotepsyers, panerpalty for Con-Acre.		Occupera Valued at or under £ 4.	Occupiant Rated between £ 4 and £.25	Total Sumber who recerned Scoti,	Stance of Sood supplied to each Division.	Cost, its lating Costage and other fresheatals			
									£.	6.	d
ŀ	Bullyether			9	6	14	29	768	59	5	7
2.	Glenroe			14	12	2-1	49	1, 46	113	2	8
3.	Boston			88	18	48	102	2,464	199	9	7
٤.	Corrolin			55	90	16	84	1,988	153	16	8
۶.	Killamahos			30	27	36	98	1,839	150	18	1
3.	Kilosaght		-	4	16	49	63	1,500	215	8	b
7.	Ruth -			10	3	42	50	1,792	138	-	-1
3.	Rusn -			19	18	89	60	1,584	192	14	1
9.	Muckanagh			20	34	63	125	8,028	278	8	10
				908	158	305	689	17,041*	1,316	18	10

^{*} Viz., 106 tems 10 cwt, at 192 7 p. s. ton.

The pratons were particulared on tender from John McOlyan, of Gort, and J. P. Evans, of Limitries, average price, 11.2 is a d. 2 pc ton; for 10d tons, 12.64 J Ha, acadesive of corrage, for particular to have been imported Champtons from Sorbind, and some Quenn Flunders.

In the Electoral Diritions, Nov. 1, 2, 5, 4, 8, and 5, it is comprised the cryp is own-tail an average as. In the other these Devices the cryp is compacted a noverbul an average one.

Steetocal Devialent Newborn	Holdings Valued at or under £ 4.	Holdings Valued from £, 4 to £, 10.	Hebings Vale d fro £ 0. to £ 15
1	10	11	3
9	48	27	10
5	84	142	26
4	118	53	17
	150	90	
6	91	45	38
7	9	25	28
8	64	29	11
9	110	åő	50
	673	923	168

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BALLTVAUGHAN POOR LAW UNION, COUNTY CLARE.

SCHEDULE relating to Seed Potators given in 1880, showing the Classes that got them, and Cost.

	Electoral Divisions.		Persona, supposed to be Herds, Farm Serverts. Etcl usell Braschalders, who god beed on Security of Rate payors, parametelly for Con Acco.		Occupies Roted between £-4 ered £.16.	Total Number 'who received Seed.	Steran of South supplied in each Division	(Dect.	
,	Abbey -		44	16	80	186	3,981	£.	z. 16	
	Carran		10		10	21	040	49		
a.	Custletown -		7	1	1	9	988	92	ŏ	II.
4.	Drumerechy		49	18	88	9.5	2,715	208	10	
ā.	Dorreon -		19	3	7	21	366	20	18	
6.	Glenmagh -		16	11	98	10	1,100	93	2	
2.	Mount Elva		- 11	- 1	ė.	90	568	4.8	17	
8,	Lisdoonvama		3	-	18	16	410	59	2	,
0.	Norghaval -		19	8		18	476	80	17	
ю.	Oughmamn	٠	99		99	58	1,000	126	13	1
ıı.	Rathborney		10	8	9	24	560	48	a	
			899	00	904	466	19,707*	Dist	1	13

* Var., 10 toes 10 cmt., st 124. Tax a to

The position were purchased (not by tender or order content) from M'Kenné, in Dublia, and Boyd, in Limerick, at different prisen, say, 1, s. sd., mb 1, s. sd., pressure. Sand to have been imported Scotted Champions. In the Riccorn Divisions, Nos. 1, 9, 9, and to the error is computed at half as average one. In the remaining Divisions the copy is computed at one-there.

Electoral Disorkers Numbers	Holdings Valued et to under 6-4.	Haldings Valued from C. 6 to g. 10.
1	0.0	19
2	4	7
3	3	_
4	40	10
5	8	10
· · · · · ·	3.5	10
7	2	9
8	18	18
9	1	8
10	0	10
- 11	17	3
	179	105

ENNISTEMON POOR LAW UNION, COUNTY CLARE-

SCHEDULE relating to Seed Potators given in 1880, showing the Classes that got them, and Cost.

Bictural Dennings		Postero, emplosed to be Herde, Furna, Seventha, and small Senselvadare, who go Seed on Security of Ritepayors, principally for Considere.		Gerugann Total Brited Numbs between who £ 4 receive and £ 15. Seed.		Street of Seed supplied in each Division-	Cost, exclasers of Carriage, Communica, re- other Incident-la.		
							£.	6.	d.
1. Amagb -		10	9	68	80	5,933	107	13	_
2. Ballystean -		9	31	81	121	2,396	843		-
S. Bellyvaskin		19	11	4.9	23	3,869	134	10	-
4. Ennistymon		92	36	21	199	3,717	148	-	
5. Killmpuglonane		12	15	40	05	7,443	66	11	-
6. Killiligh -		2	41	63	105	2,098	100		
2. Kilfemorn		8	- 11	44	63	1,416	88	10	
s. Cloghess -	٠	-	19	93	8+	64-1	83	12	-
9. Liseannor -		13	17	30	60	1,380	63	-	
10. Lurrege -	٠	4	6	16	96	310	13		-
11. Milltown Malbay		69	78	(3	205	7,685	367	2	-
12. Moy · -		17	43	83	129	5,975	187	-	-
18. Ballyen -	٠	18	20	82	117	4,580	176	-	
14. Ballagh -		4	24	64	92	3,091	1.87	16	
to, Choosey -		4	7	52	68	2,325	103	13	
10. Cleonanaha		17	\$8	68	125	7,089	283	15	-
17. Formoyle -		- 6	13	21	40	1,617	55	-	-
is. Maghermough	۰	12	16	6-5	88	9,913		15	-
19. Kilshnmy -	•	2	6	14	21	756	28	-	-
20. Smithstown	٠	7	- 5	92	34	883	59	-	-
		243	106	7,006	1,600	57,680°	2,284	8	

The pointnes were purchased "as best the Garenland could buy them"; 2,892 stones of Champion at 1 s. 54, 5,899 flexhs, 1,497 Report, and 4,900 stones parchised on commission. The propose were served in the Westhames, and duringtically buy the Port Rate Collectors to the people reconnected by the Port Rate Collectors to the people reconnected by the Port Rate Collectors to the specific reconnected by the Port Rate Collectors to the specific reconnected by the Port Rate Collectors to the specific reconnected by the Port Rate Collectors to the specific reconnected by the respective Garactins of the sevenal Division.

Members.	Holdings Valued at or under £, 4.	Heldings Valued from £ 4 to £ 10.
1	Gs	18
9	81	46
3 8	49	23
4	99	40
5	40	10
6	65	49
5 6 7 8	- 64	31
	39	32
9	40	16
10	30	9
11	08	81
12	69	29
13	62	90
14	64	23
15	1/2	47 14
16	68	47
17	21 55	14
18	55	20
19	14	7
20	23	8

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KILBUSH POOR LAW UNION, COUNTY CLARE.

SCHEDULE relating to Seed Potatoes given in 1880, showing the Clarees that got them and Cost.

			tueus, sc	RI COIL			
Electrical Districts			Persons, supposed to be Herds, Farm Servants, and amail Hemetholdens who put Seed un Scattrity of Hatepapers, principally for Cou-Acre	Occupants Volted al or under £.4.	Occupios Reted between E 4 and £.15.	Twist Namber who received deed	Cost, meltoding Carclege and gandessal
1. Cisomoirom			8	11	52	51	1
z. Cleonosceha			28	8	/18	104	~4
3. Coecaclare		.	29	42	318	109	9
a. Creegh .			04	9.7	86	167	3,900 2
o. Dornber			85	60	86	991	
6. Dunnelishy		.	13	120	86	925	Upton appears to have been
7. Kilballyowen			60	20	95	174	.6
8. Killico -			56	131	71	216	2
v. Killand -			30	36	63	199	H
o. Killimer			. 18	11	80	109	
1. Kilmuryy			19	97	47	97	30
2. Kilrush .			91	,42	106	249	9
3. Kotek -		. 1	14	90	56	90	8
4. Querin -			44	20	58	126	- 10
5. Rehous -			39	44	91	174	10
6. M. Multine			10	1.0	20	55	(B)
7. Cuhesmurphy			1	29	60	90	D
8, Gleamore			4	91	76	101	,ñ
p. Elgban ·			29	108	0.5	W95	0
0. Knockuagme			10	82	Us	110	
i, Kiimhii			4	88	89	181	out to the
			8	8	59	40	-
J. Kneeknaholov			6	24	64	94	potrej
t, Mulligh			10	- 6	58	68	
s, Stoven .			49	16	94	6.0	2
			60	63	69 1	190	-
7. Tuilig -			18	7	45	130	
			856	1,015	1,905	3,700	£. 8,500

The petators were roppiled by local marchant, on tituder (stated to have been imported Champions and Rocks from Scottant), as varieus prices. The total ocer was 8,000 L. The seed general good.

In the Eleverani Divinora, Nos. 16, 18, 13, 14, 16, 19, 93, 96, and 27, the cave averages about one-half, and in all the other Divinious the crop is under one bare.

Hicesopal Davidons, Numbers,	Heldings Valued at or under £. 4.	Apprenimate Number of Held age Valued from £ 6 to £. 15.
	48	9.9
9		68
d d	70	118
4	25	90
4	16	86
	9.5	80
7 8 9	165	95
8	907	71
9	60	68
10	8.8	80
11	7.5	67
19	0.2	100
18	18	46
14	46	50
15	155	91
10	10	20
17	99	40
18	36	76
19	76	93
20	26	48
21	30	89
22	. 15	39
20	39	64
94	38	84
25	30	81
26	1 114	82
97	da	45
	1,699	1,835

KILLADYSERT POOR LAW UNION, COUNTY CLARE.

SCHEDULE relating to Seed Potatoes given in 1880, showing the Classes that got them, and Cost.

Electeral Directors.		Persons supposed to be Berle, Perm Servante, and Starill Rossehalders, who got Reed on Security of Ratopoyers, principally for Con-Acre.	61.43	Occupante Rated between £ 4 and £ 15.	Total Number who reprired Seet.	Strates of Seed supplied to each Drylens	Cost, of C	eriie md	er.
							£.	ž.	ď.
1. Ballymeally		2	10	15	32	0.59	42	4	10
2. Chudegad			13	88	105	4,108	818	4	6
3. Coolmeen		1.5	10	50	83	2,488	190	17	9
4. Kilchrosst -		81	18	65	114	8,984	809	18	8
5. Kilfiddane		33	14	106	153	0,444	487	-	6
6. Kil'ndysert		81	19	89	115	3,498	260	11	_
7. Kilofin		21	6	41	46	9,874	183	2	4
s. Kilmuny		3	20	88	115	3,402	257	1	-
9. Lisoney		48	28	53	108	4,728	353	10	2
0. Lisheen		n		70	86	3,365	251	12	15
1, Rinealon -		5	9	58	52	1,768	188	10	3
		180	156	691	1,026	38,714*	3,574	13	4

* Viz., 229 tens 9 cwts., at 11 & 10 a. o ton.

The potences were partly precured by tender and contract from Equa, in Dublia, at 1z, 6d, per stood, and from McKamis at 1z, 4d. Some were get from Erans & Co, in Limerick, and some wave bought by the Uson Olek. The potencies were add to have been imposed Champions, steep the let from McKamis, which were represented to have been brought from America, and they reverse but set from McKamis, which were represented to have been brought from America, and they reverse but set. They were viven out to the Clerk of the Lind.

In each of the Divisions the crop is computed at one-half of an average com-

Electoral Bursions, Numbers	Heldings valued at or under £.4	Holdings raised free L 4 to £ 15.
1	10	16
2	13	94
а	19	70
4	18	81
6	14	199
6	12	97
7	46	69
8	29	107
9	2:1	81
10	5	74
11	9	48
	195	300

1.0

noton Library Diofisation Unit

REPORT BY MR. CUNNINGHAM UPON THE UNIONS OF BAWNBOY, CARRICK-ON-SHANNON, MOHILL, AND MANOR-HAMILTON.

BAWNBOY UNION.

Seeds Act, 1880.

TOTAL - - - 7,233 ., cost 3,249 l 12 s. 7 d.

(a.) The average quantity about 3 cwt. to each holding.
 (b.) So that, say, 2,400 holdings were supplied, and a like number would

require a supply this year.

(c) and (d') 8 cwt. the largest and 2 cwt. the smallest quantity supplied to a holding, and it was limited to holdings valued at 151, or less.

(e.) Tenders were invited for some. The Champions and imported Skerries were excellent.

(f.) The so called Regents were procured from an agent in Dublin. £.800 paid for 100 tons, and it is reported they were very bad (believed to have been "German Reds"), and they turned out an utter failure. The home supply, Rocks, &c., were also largely unsatisfactory.

 There was distribution from the workhouse officials and by the Guardiens elsewhere.

4. Some trifling distribution in 1880 from Marlborough Pand.
5. Very little seed supposed to come in from outside sources.

very intre sees apposed to come in from oitsade sources.
 The Champion has generally supplanted all others. As it has now suffered from the attack of blight a fresh variety would seem to be necessary.

7. About 35 per cent. of a crop over the Union.
8. This average is indebted to a considerable extent to the higher results on plots placed on newly broken up ground or lea. There will be some obscable

seed where the produce of such fresh land is available, but now seed would be unquestly required on the power Divisions.

The cuts appear to be nearly an average, badly sarved Grass abundant, and at many of the faint-sized heldings to therered condiderable stock, with hay, cubbages, &c., a fair whoter provender. Turnips or other green crops so little grown as not to be worth consideration. Turn appears convenient, in fair

CARRICK-ON-SHANNON UNION. Seeds Act, 1880.

£.564 paid for potatoes, 490 tons Champions, imported from Scotland, price 11l. 10 s. per ton, quality excellent, procured by tender through Mr. Middleton, Sligo, principally.

Sligo, principally. An average of about 4 cwt. was supplied, and to holdings under 15 l. valuation; the number of such holdings may be taken at 2.500

6 cwt. the maximum quantity to a holding.

supply, but not well dried.

Rach Guardian directed the distribution over his district.

Very little new seed imported within five years.

Champions have been the prevailing variety, and seem still the favourite.

Champions have been the prevailing variety, and seem still the favourite.

By Magnums as having resisted the blight better this year.

Five tuns of "Skerties" were bought in 1880 by the Guardians as an experiment, but they proved an entire failure, and would not now be acceptable. Magnums, on the other hand, do not suit the habits of the very small holder, as they are not at their best till the following May or June.

Over this Union the blight has probably taken 30 per cent, of what was otherwise about 70 per cent of an average crop, leaving 40 per cent of sound potatoes of an indifferent quality, small and soft. Seed will generally be kept for spring, but of a bad description, and in three electoral divisions it is doubtful if there will be even bad seed.

The Southern half of the Union, say, practically, the portion in Roscommon with the Carrick on Shannon and Annaduff divisions in Leitrim, is not at all a poor district, the holdings are of a fair size and a useful description of pasture.

There is but little neigratory labour reported as connected with the other

or had narts of the Union.

The oat crop appears to be about an average one badly saved, and that and the poteto are the only crops grown to any important extent. After-grass on old meadow lands, and indeed pasture generally, is abundant. A good deal of young stock calves, yearlings, &c., to be seen along the road. This description, however, is not applicable to parts of the division of Leitrim, &c. About many average-sized holdings are to be seen excellent cabbage plots, with abundance of coarse hav.

MOBILL UNION.

Seeds Act, 1880.

£. 6,160 paid for potatoes = 513 tons. Principally Scotch Champions pro-cured by tender of Messra T. M. M'Kenzie and Sons and others. Champions at 11 l. 15 s. per ton; Regents at 10 l. 10 s. per ton.

Quality was excellent.

About 3,400 holdings were supplied with an average of 4 cwt, each. The same number may be taken as likely to require seed this year. 6 cwt. was the largest quantity to one holding, and 15 l. valuation was the bighest limit.

I cwt, was the smallest quantity supplied.

Each district was superint-nded by its own Guardian as to distribution.

No distribution from "Tuke" or "Marlhorough" funds. Some Scutch seed potatoes have been imported within the past few years by a local trader, but they find their way generally to the larger holdings "Champions" both general and the favourite. It has not withstood the blight, however, and I should recommend a fresh variety if obtainable.

Near Carrigallen I found that Magnums had been tried here and there, and they dug out sounder. They are fit for use in the ensuing spring and summer,

and therefore rather above the peasants' methods.

The crop over this Union was about two-thirds of an average, and one-third of that is gone from the disease, leaving a third of an average crop for use and seed.

I consider that on holdings in the eastern half of the Union there will be no potatoes to make good seed. Much of this Union onsists of cold wet land, very badly cultivated, where it is cultivated at all, and the prevailing wer autumn, following a sunless and cold summer, has told disastrously on the vield of potatoes. I looked at the lifting of them on scores of plots and if the labour was of much value the crop would not pay for it. The produce was numerous but of the size of large marbles generally, and a common description, i.e., "they are very soft and watery, sir," is too evidently accurate

enough. Oars, the only other crop grown to any extent, is nearly up to an average, while straw and hay are over an overage. After-grass and posture generally very good, and there appears a good deal of stock up the lands. This brighter aspect of things is to be seen on the better parts of the Union. I learned from an intelligent schoolmaster in one of the very worst divisions of

134-Carrigallen, Carr gallen, that there was and is a good deal of migratory labour to England from his neighbourhood. In several places I heard of the exceptionally good result of sotatoes planted

on less tabers larger, filmer, and sounder; a crop twice as valuable as on adjoising worn-out plots.

MANORHAMILTON UNION.

Seeds Act, 1880.

Procured 4,328 cwt. potators at a cost of 2,3034.

Champions - 195 tons at 11 I. Imported from Scotland.

Skerries - 20 , , , 7 I. |
Rocks - 1 , , , 5 I. |
Irish.

One of the Guardians proceeded to Scotland and purchased. Quality very good.

The average supplied to each holding seems to have been under 2 cwts., and therefore about 2,200 may be taken as the number of holdings under a

value of 15 L which would require seed this year.

3 cuts was the maximum and 1 cwt. the minimum quantity supplied.

The Guardians superintended the distribution in their respective Divisions.

The Guardiaus superintended the distribution in their respective Divisions.

There was a considerable quantity of imported seed distributed from Tuke's

Fund in 1880. None since.
Champions the principal variety grown on the small holdings. A new kind

would appear to be most desirable.

Taking the whole Union, there seems to be between a helf and a third, say, 40 to 45 per cent, of an average crop to the good now.

The gross yield was about 70 per cent. on an average, and a third of that lost by the discase.

On one-third of the Union the holdings are very small and the occupiers

On one-time of the Union the holdings are very small and the occupiers poor the phrishen in the winter will be adapt. The potence, even if to be had, are not fit for seed. There is much not of improved entitations along with fresh need. A good dead of nightery lattour is agoing or on connected with fresh need. A good dead of nightery lattour is agoing or of an omnected of cast still in the field set to be seen. The greenfl outcome, for each still been nearly up to an average. On the better holding a good off of stock to be seen. Where postone had been planned on in the result is nearly a double outcome are compared with the worm-comp plos surroundings.

(signed) John Conningham.

MR. DORAN'S REPORT.—COUNTY KERRY AND PARTS OF COUNTY CORK.

Ballaghaderreen, 8th November 1890. In accordance with instructions received on 15th ulr., I have, since then,

and an inspection of the following Unions:—
Killarney, Cabirciveen, part of Kenmare, Tralee, Dingle, Listowel, Glin, Ruthkeale, Kanturk, Millstret, and the northern parts of Dommanway and Macroom.

I now beg to submit—

(a) The following report describing the condition of the potato crop in the

several Unions through which I travelled.

(b) A summany giving, under different headings, the information I was directed to collect with reference to Seed Act of 1880, &c.

Everywhere

Everywhere I travelled I went into almost every potato field within easy reach of the road, where persons were engaged valsing the crop; and in this way I had abundant operatinities of forening a correct opinion of its excidition.

In most districts the crop is extremely variable in yield and the quality very inferior. The proportion of diseased, or "black," postators is very small, and much less than that of last year. In many cases the acreable yield of sound

much less than that of last year. In many cases the acrossler yield of sound pointon's is above the average, but the quality is verywhere exceptionally bad. The deficiency in the crop, has not arisen, as in other years, from not resulting on the bigit, but has been onced by the extraordinary rapidity with which the stalls was so rapid, and the summer so wet, that the great bells of the crop consists of sensel immerstre to bees, and where they extraorded fall size they are

unripe and bad for food.

In the course of investigations I had constantly before my mind the desira-

In the course of investigations I had constantly before my mind the desirs bility of noting carefully—

(1) The conditions under which the crop failed or partially failed,

The conditions under which the crop succeeded.

With the view of condensing this report as much as possible, I think it would here be convenient to note the result of my observations on the combinions affecting the growth of the crop, and any other information which applies generally to the districts through which I travelled

The potato universally grown is the Champion
When planted on wet land, which necessitated late sowing, the crop has falled.

Is failed under such circumsiances everywhere, no matter whather the see d und, and of it refully imported. I have lead that most is deep the seshould nest Remains and Californies, and a hade in the Kenture and Didrect Clauser. Kennure and Californies, and an hade in the Kenture and Didrect Clauser. Clauser and Californies, and the second of the control of changing the seed from such soil to the clay limit for seed.

is unit for seed.

Districts where the crop has failed are all wet, cold lands, but the comparatively dry land and the wet are so internixed that it would be impossible for me to locator each; und it should be brane in mind that about laif the crop is as much below one-third of an average as the remaining balf is in excess of one-third.

one-card.

There is nothing like uniformity of erop. You will frequently find in every
district a good crop side by side with a had one, and the difference in yield
regulated by the time of sowing, condition of the land, and seed used.

The crop partially failed when planted late, even on moderately dry land, no matter whether now or old seed was used, the produce of the new heing always somewhat better than the old.

The crop is very bad on old worn-out soils, irrespective of the time of soning or class of seed used.

The crup has partially falled along the sus-board, even on dry wide where has converted warepold as nearous. What is not the sus-board, indicate of any said which was considered and the sus-board polarity of the sus-board pol

I have not seen a failure of crop where carefully selected seed was planted carly on firsh dry land, fairly manured, and well cultivated.

In the districts where the yield is one-third, and less than one-third, the

main bulk of the crop consists of unripe and immature tubers, which are bud food and unfit for seed.

The people in these districts do not now use potatoes for food as much as they used to. Yet on comparing the extent of land under the crops for the five years ending 1885 with the average of 1889-90, we find only a slight decrease: -

			Kerry.	Cark.	Limerick.
			Acres.	Atres	Acres.
Average, 1880-85			29,419	65,484	22,519
u 1889-40			28,140	61,368	21,247
	Decrease		1,979	4,066	9,373

This proves that while the people do not depend so largely on the potato for food they use it more largely for pig and cattle feeding and fowl; and from the sale of these they find the money to buy the meal and flour which now forms the substitute in their dictary for the potato. The importance of the crop has therefore not much diminished

The Seed Act of 1880 conferred an incalculable boon upon this country, The common belief is that the introduction of large quantities of good seed at that time saved the country from years of famine since. It was most fortunate that the Champion potato was then so largely imported in preference to other kinds. It has proved itself especially adapted to this country. Any other kind then introduced has since been discarded, and no other variety of potato is now

extensively grown in south of Ireland. The condition of things now, in relation to the crop, is much the same as

in 1879, and there is, without doubt, as much need for the introduction of new seed. Many people assert that the vitality of the Champion is declining, but I do not hold that view. It has not been a had crop any year up to this, even in districts where the practice of changing the seed is not observed. In reviewing the state of the crop it must not be forgotten that this has been altogether an exceptional year, and the oldest person does not remember a season more unfavourable for the maturing of the potato crop than this has been. It is clear that the setting of the immature crop of this year must produce bad results, while there is no reason to doubt that the introduction of reported seed will produce as good results as heretofore.

There are a few other kinds of robust-growing and disease-resisting potators, such as the Skerry Blue, Reading Hero. Scotch Kemp, Grampian, but only a limited quantity of seed could be procured, and I don't think the farmers would be much inclined to give them a trial, as they like the Champions

better than any other kind,

In the event of seed being imported, every precaution should be taken to ensure the interduction of a enume seed. There is a quantity of good seed in Ireland at present. If an Act be passed to import seed from Scotland, prices there will double as they did in 1880, and it is not unlikely that the Scotch merchants would buy Irish seed, take it to Scotland, and tranship it here. To render this impossible, the Seed Act should contain a clause prohibiting the exportation of potatoes from Ireland before 1891. Seed suitable for some portions of Ireland could be purchased in other

parts, but it would be well to prevent our buying our own seed as imported Sound, well-grown seed from the strong lands in the midland counties should

do well in the south and west of Ireland.

In districts where the average yield does not exceed one-lialf, the present crop may be regarded as unfit tor seed; and, if possible, the people should procure the whole of their seed for next crop outside their own districts. But I fear if an effort were made to provide persons in such districts with the large quantity of imported seed requisite for the whole crop, the demand on the markets would cause the price to run too high. To obviate this difficulty, I would recommend that, while a liberal allowance of seed be given in those districts where the crop does not exceed one-half, three-fourths of the quantity so given should be imported seed, and the remainder carefully selected homegrown seed.

The best and most uniform crops of potatoes I have seen were grown from carefully selected home-grown seed. I came across some striking examples of this. Near Killarney I found a man digging a very good even crop of potatoes. I said, "These are grown from imported seed, I suppose?" He said, "No, this is the same seed I got from the Union long ago. I have never parted with it, and have slways had good crops. This year I have the best crop about " I asked him how he managed to he so successful, and he said, "I pay great attention to the seed, change it every year from moor to clay and clay to moor. and when picking out seed I select the roundest and best looking potatoes with good deep strong eyes, and cut them into fair-sezed sets. I never cut up a very large or flat potito for seed, and I never plant them so small that they do not need cutting." Beyond Killorglin, near Cromane, I came on an excellent cronof potatoes in a district where most of the crops were very bad. This man menured his land in winter with sea weed, and planted the potators first week in March. Exchanges his seed every year with a friend of his who lives near Milltown, some 12 miles away. Always uses the best of the potatoes for seed, and never puts down small ones uncut. He has a good erop every wear. His land is dry.

Several cases of this kind came under my notice, and prove the great advantage of curefully selecting wed.

Potators which have this year developed and matered and resisted the hlight, and thus proved their disease resisting powers, must be good for seed if changed to land of diffeent character to what they grew upon.

Looking back upon all the districts I have been over, one thing prominently before my mind is the fact that, under all conditions, as to see d, time of sowing, and cultivation, the crup has failed on wet hand. Even though fresh seed be introduced the recurrence of a wet season like the past will have disastrons results upon the potato crup.

On dry land the crop does not fail when eare is bestowed on the selection of seed, and the cultivation effected with ordinary skill.

To prevent a general failure of the potato crop in districts where wet land prevails, the first and most e-sential step as to drain the land. To do so would

summary.

confer an enormous permanent henefit upon the country generally, and in particular, upon the occupiers of small holdings in poor districts, where, as a rule, most of the land is set. In conclusion, I bey to append some notes conveying replace to set dequencin my instructions as are not answered in this report or on accompunying in my instructions as are not answered in this report or on accompunying

in this report or on accompanying (sioned) Henry Daran

KILLARNEY UNION.

Amount of loan all repaid to Board of Works. Receptents of sed repaid the whole cost, except 132 \(\text{\(...\)}\), which was charged to the general ratepayers.

£ 1,625 worth of White Rocks purchased. Balance Champious. Seed was got by tender.

Champion seed was good, and gave great satisfaction. Rocks did not do

well, and scarcely any now grown.

Flounders and Pinks are grown for early crop; Coampions for main crop.

The Guardians determined quantity of seed to be given to each person. The Clerk had control of the distribution, and was assisted by the Rate Collectors and Guardians of each Electoral Division. A considerable quantity of seed is imported annually by seed merchants in Killarner, and the practice of cleanging the seed is becoming much more

eneral.

Average amount of potators given, 24 cwt.

Price of Champions. 12 L a ton.

F 3

Amount of loan, 3,900 l.

£, 1,481 7 s. 6 d, returned as irregoverable, and still owing to Board of Works. Seed was supplied by tender About hall loan spent on potatoes. All

potatoes supplied were Champions.

The seed supplied was good. Everyone spoke highly of it. Price paid for Champions was 12 L per ton,

Largest quantity of seed given, 6 cwt.

Smalless quantity of seed given, I cot. Average quantity of seed given about 2 cwt.

KENMARE UNION.

Amount of loan, 4,296 à.

All repaid to Board of Works. Recipients repaid all except about 100 I. All Champions supplied. Most of it got direct from Scotland, and was excellent seed. Some got from a Cork contractor was not so good.

Largest quantity given, 16 cwt. Smallest quantity given, 4 cwt-.

Average, about 8 cwts.

TRALEE UNION.

Amount of loan, 5,982 /. 8 s. 4 d

Returned as irrecoverable, 1,597 l. 14 s. 6 d., and afterwards levied as a general rate. The potatoes supplied were Champions and Rocks. Most of the Rock seed was purchased in the neighbourhood of Tralee, and did badly. The Champions

were of good quality and gave great satisfaction. Largest amount supplied was 5 cwt.

Smallest amount supplied was 14 cwt.

Average amount, about 3 cwt.

Am: unt of lean, 1.499 L

DINGLE UNION. All repaid to Board of Works. Returned as irrecoverable, 131 /., which was levied by a general rate.

All potato seed supplied was Champion, imported direct from Scotland, and was of excellent quality. Paid 10 L to 12 L per ton for seed potatoes. Largest amount given was 32 stones; smallest, 10 stones; average about 20 stones.

LISTOWEL UNION.

Amount of loan, 5,584 L 2 s. 8 d. Seed supplied was Champion, White Rocks, and Leather Coats. Champion was the only seed widch surned out well.

Lorgest quantity supplied was 4 cwt. Smallest quantity supplied was I | cwt. Average quantity supplied, about 2 cwt.

Seed got by tender.

GLIN UNION.

Amount of loan, 2,352 L 3 s.

All loan repaid to Board of Works. Seed was supplied by tender. It was all Champion seed, and prove i to be of good quality. But there appears to have been extensive fraud practised as regards weight. Some of the sacks of postore-entained as much as 2 stones of clay. This was not discovered until the people tools home their supply. Some

Some of them brought back the sacks of jotatoes and clay intact, others brought the clay only. The Guardians took legal proceedings against the contractor, but they recovered only value, representing weight of clay in begs returned to Union, without having been emptied.

Largest amount of seed given was 6 cwt. Smallest amount of seed given was 2 cwt.

Average amount, about 4 cwt.

BATHKRALE UNION

Amount of loan, 1,773 l. 7 s. 2 d. All repsid to Board of Works. Recepterts paid for all they got. Not a sixpence lost.

All potatoes got, except 30 l. worth, were Champions. £. 30 worth of White Rocks were purchased. The Rocks were got from near Galway. They were

good looking seed, and turned out as well as the Champions. Seed was got by tender. Guardisms required contractor to produce shipping papers, invoices, &c., to

show seed was imported. Largest quantity supplied was 50 stones.

Smalle-t quantity supplied was 16 stones. Average quantity supplied, about 40 stones.

Prices, 12 f. per ton for Champions, and 8 f. per ton for Rocks.

Amount of loan, 7,046 /, 2 s, 2 d. All repaid to Board of Works.

Recipients repaid all they owed, extent about 25 l.

Full amount of loan was expended on purchase of potatoes, except 496 l. which was spent upon outs. All potatoes purchased were Champions, and gave great satisfaction.

Each person got about 5 l. worth of seed, including cats. Seed got by tender. Committee of Guardiaus Inspected it before delivery

to the people. Price of seed, 12 f. per ton.

MILLSSYREET UNION.

Amount of lown, 4,642 !.

Repaid all to Board of Works. Recipients repaid all cost of seed.

The people paid the seed-rate cheerfully, and the collectors found no difficulty in collecting it.

Seed supplied by tender. All was Champion except about 4 tons of other seed. Champions were excellent; the others worthless,

Laurest quantity given, 60 stones. Average quantity given, 32 stones.

Smallest quantity given, 24 stones. Price of Champions, 12 l, and 12 l, 10 s.

MACROOM AND DENMANWAY UNIONS.

I did not interview Clerks of Unions, believing Mr. Porter had done so.

(signed) H. Doron

REPORT ON THE SUPPLY AND DISTRIBUTION OF SEED. WITH SUGGESTIONS.

In the Unions I visited the Guardians advertised for contractors to supply the seed potatoes they required. Tenders were received and accepted in the usual way

In nearly all cases the potators obtained were Champions and White Rocks. Considering that so little precaution was anywhere taken to provide against imposition, and ensure the supplying of genuine seed, it is a matter of surprise that so few complaints are to be heard against the character of the seed supplied. It is to be observed that most of the seed was supplied by respectable firms of seed merchants, whose good reputation would have been

lost if they supplied, to any large extent, seed not true to name. No Clerk of Union, or anyone else I met, asserted that the Champion seed sold in 1880 was bad. There were many complaints of the other sorts.

In the Tralee Union some local people were accepted as contractors for the supply of White Rocks. These men purchased their potatoes in the

immediate locality, and the seed proved worthless.

In the Killarney Union, where a large quantity of White Rocks was distributed, a Cork potato merchant was contractor. I do not know where he purchased the seed, but most of it was taken to Killarney by rail, and was brought, I presume, from a remote district. In nearly all cases this seed did well for the first two years, but, since then the neonle have substituted the Champion for it.

These facts give additional proof of the advantage of change of seed, from

one district to another.

In the Kenmare Union, a Committee of the Guardians got the first portion of their supply of Champions direct from Forfarshire, and they proved to be excellent seed, and much superior to that subsequently supplied by an Irish

contractor, although nobody seemed to doubt that the latter were Champions. The strikingly different results under slightly varying conditions that bave come under my notice this year, and during my past experience, convinces me, that to obtain the best results from a change of seed, it is essential that before selecting seed for a particular farm or district, one should be familiar with the character of the soil, and the local conditions of the place where the grop was previously grown.

Previous to 1880 very little Champions were grown in Ireland. Now they form the main eron.

In the event of a renewal of the Sred Supply Act of 1880, there is much

more necessity now than there was then, owing to the general growth of the Champion, for the adoption of every precaution necessary to ensure that the seed supplied by a contractor is what it purports to be. In addition to the suggestion I have already made to prohibit the exportation

of potatoes from Ireland before April 1891, I would also suggest that the contractors should be bound by a bond, under a heavy penalty, to supply seed true to name and character, and from the country or district agreed upon. The liability under the bond would remain in force for a year. The contractors should be required to produce shipping papers and invoices of imported lots; and railway dockets and invoices of lots brought from one part of Ireland to another. A committee of the Guardians should inspect seed after delivery at their stores.

In the distribution of seed some abuses did occur.

Persons over 15 l. valuation were not entitled to receive seed under Act of 1880, but they did sometimes obtain it surreptitiously in the name of a nonrated person, often one of their own labourers, for whom they became surety for repayment.

To prevent a repetition of these losses, which occurred in 1880, I would recommend that the following course of procedure be adopted :-

The Guardian of each Electoral Division would be supplied by Clerk of Union with requisition forms containing the names, and full description from ratebooks, of persons entitled to receive seed. Any person requiring seed should apply in first instance to Guerdam of his Division, and when the list of applications were completed they would be submitted to the Bonal, which wands decide the quantity to be given to each person. Persons not rated should also apply to Guarrilan of Electrond Division in which the cryw axe to be soom, and he would fill, on a special form of requisition supplied him, the name of applicant, and same and description of person on whose land the crey mass to should also be enhanted to the Bond on direct with in the same canner as

The rated-occupier who receives seed should, at time of delivery, sign an acknowledgment similar to that marked A, berewith attached.

The landholder on whose land a non-rated person intends to sow the seed should sign the form of declaration and acknowledgment marked B, and the Act should contain a clause making it a critical offence punishable by land.

for any person to falsely make such declaration.

Any loss arising from non-payment of seed money should, in first instance be chargeable against the Electoral Division where the seed was sown. The Clerk of the Union should get control of seed when placed in store, and of distribution, and be held responsible for any deficiency in seed stock.

of distribution, and be held responsible for any deficiency in seed stock.

12 November 1890. (signed) H. Doran.

(A.)
Union.

Electoral Division of

No. in ste Book.	Occupier's Name.	Townland.	Valuation.
			£. 1. d.

I am rated occupier of holding above referred to, and hereby acknowledge having this day received _____ cuts, of Champion seed potators, for which I promise to pay the Board of Guardians of this Unjon the full cost price, according to law.

Electoral Division of

	Electoral Division of					
No. in Rate Book.	Occupior's Name.	Townland.	Valuation,			
			£. s. d.			

Dated this	day of1891,	
	Witness (Signature)	
	Clerk of Union	
Witness of Delivery	y, to above-named	
	Clerk of Union	

MR. JAMES ROBERTSON'S REPORT UPON THE POTATO CROP OF 1890 IN GREAT BRITAIN.

I left Dublin on the 15th September for Glasgow, and visited the following Counties in Scotland:—Perth, Forfar, Fife, Moray and Elgin, Aberdeen, Inverness, Ross, Wigton, and Dumfries, **s also the Counties surrounding Glasgow.

It may be well that I give you, for future reference, the acreage planted in these Counties; the acreage of the current year has not been published, but the total areas planted in potatios in 1889 as (ascertained on the 4th June) was 154.746 statute acres.

was 154,740 statute acres.

The Counties, taking their total area into consideration, in which these roots were most extensively planted, were Fife and Forfar, the area occupied being respectively 16,822 and 15,760 acres; a large breadth is also grown in Pertia-

respectively 16,822 and 15,760 acres; a large breath is also grown in Perthshire, viz.: -16,512 acres.

In many of the Soutch Counties a greater area is covered than suffices for home consumption but in other ways.

home consumption, but in observables a greater area is overest than sumes for home consumption, but in obes pointous are planted largely for trading purpuse. These are, Ay7, 8,699 acres; Dumfries, 5,260 acres; Midlethian, 5,799 acres; Haddington, 8,695 acres; Inventous, 7,482 acres; Lanaris, 5,719 acres; Boss and Cromarty, 9,695 acres; aberdeen, 7,719 acres; Argele, 5,970 acres; Dumbarton, 2,286 acres; Stiffing, 3,870 acres; stepartively.

Commencing with the year 1879, the area devoted to the cultivation of potatoes in Scotland has been as follows:—

In	1879	-	-	-	-	174,743 :	acre
	1880	-	-		-	187,061	**
	1881	-				189,161	12
	1882	-		-	-	167,547	10
	1883	-	-	-	-	168,694	22
	1884	-	-	-	-	163,537	11
	1885		-	-	-	148,994	22
	1886	-	-		-	149,680	27
	1887	-	-	-	-	149,839	27
	1888		-	-	-	157,605	11
	1889			-		154,146	"

A large quantity of potators has for some years been, shaped from Scotland to America. Last year so less than 20,000 tons were despetched from two counties alone, which, if bought sow, would probably cost, with carriage and religit to Dublis, over 100,000 f. This season, however, the somewhat better despits to publis, over 100,000 f. This season, however, the somewhat better some some state of the publishment of the contract of the publishment of

A large quantity was consumed by cattle this year in Scotland; this season they will not be required because of the excellent crop of ternips all over Scotland.

Disease has much affected the early and second early varieties; in the

counties surrounding Gisspor and in many phose they did not per for the filting. The early sots planted in Sockular new principally Rechnes, Kennes, and Regents, the main crop varieties being Champions and Magnussa. A comparatively new variety, "The Bruce," has also been pretty extensively plainted with greet success; it is an immense ecopper, of good quality, and is considered and discuss. I have seen and heard of copy of from 12 to 14 to not beet features.

It is estimated that the Champions and other prolific sorts will average eight to mine tons per statute acre all over the country.

ENGLAND.

I visited the hest potato-growing districts in England, viz., Bedfordshire, Cambridgeshire, Lincoln, and West Varkshire, and also all the leading Mstropolitan markets, including Covent Garden, The Borough, Spitalfields, Stratford, and King Stross, as well as the provincial markets of Peterboro, Northampton, Manchester, and Leeds.

The crops in all these districts are large and practically no disease exists. The quality is exceptionally good, the tubers are very equal, and the crop having been lifted and secured in good weather they will keep well. The early varieties were all consumed before any disease attacked them. The main crops grown are Magnoms, Imperators, Beauty of Hebron,

with a few Bruce; the Magnums, however, is the variety which is feeding the nofilions to England. Beauty of Hebron is a second early of the very finest quality, and on this account is largely grown to meet the wants of the very best markets. Imperators, to my mind and in my experience are unsuitable for Ireland, and there would also be great difficulty in getting them in quantity from districts, from which they would be a desirable

change. The Bruce I have already alluded to in Scotland; nowhere in Ragland, I may mention, did I meet with any Champions or Dunber Regents, although the latter for many years obtained the highest price in the London

markets.

SUGGESTIONS.

At the outset of my investigation I was disposed to recommend that a limited quantity of early potatoes should be obtained, but I have been induced to abendon this owing to the difficulty of getting suitable seed. The only variety which in character would do universally for the purpose is the Regent Kemp, and crops of it this season are small and much diseased.

Two other plans are worthy of consideration, and I shall endeavour to lay before you the considerations which surround both methods.

First, supply Champions only.

,, & Champions, & Magnums, & Bruces.

To deal with the first proposal it is universally known that the Coampion is the variety which is a long way the most largely grown in this country, and it has taken the hold on the people, primarily on account of its immunity from disease; secondly, because of its undoubted property of withstanding extremes of climate, and of its robustness of growth; and lastly, because of its being essentially a variety thoroughly suited for conditions under which the potato is a large constituent of the people's food. By this latter clause I mean that there appears to be something in the Champion that, potato for potato, makes it more satisfying as a staple article of food than any other

On some parts of the Continent the Champion is, at the present time, grown with success at an altitude where other varieties are comparatively

useless

While the Champion is incomparably of better condition and constitution at the present time than the existing varieties of the disastrous years of 1879 and 1980 then were, still it is not so free from disease as at its introduction, and it is to be expected that, if it follow the career of its predecessors, it must continue to deteriorate; for this reason the second proposal is worthy of consideration, as by its adoption you would introduce new varieties of potatoes into the country, and it would obviate entire reliance being put on the Champion, while if the Magnum Bonums and the Bruces did not prove suitable (on which point I have no doubt), the quantity suggested is not large, either one or both could be allowed to die out after producing a crop, if the farmers found it desirable.

(signed) James Robertson. La Manche, Malabide, County Dublin,



POTATO CROP, 1890 (RELAND AND GREAT BRITAIN).

EXTRAOTS from Barciers upon the Forzyo Gay, 1846, made for the Intil LANC CONVENDED, in cretain United States Convended, in creating Forzyo, Garray, Kanzyo, Larriya, Larriya, Lorazer, Mayo, Sino, Watzaronn, and Welven, Mayo, Sino, Watzaronn, and Welven, Mayo, Sino, Watzaronn, and Welven, Maria, Parier, and Sabert, Andreas Commissioners, with a Barcast topon the Forzyo of Grave Barcast in 1809, and the opposite the States of Santana Control of Cont

(Mr. Arthur Balfour.)

Ordered, by The Bossa of Coxcesses, in he Printed, 6 March 1801.

[Price b\d.]

134.

Under 6 or.